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500 CONTRACTORS RECEIVING THE LARGEST DOLLAR VOLUME OF

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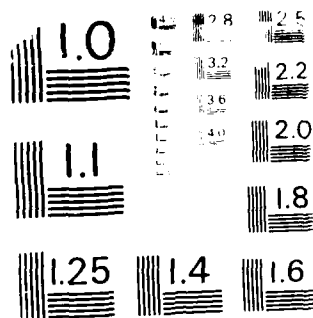
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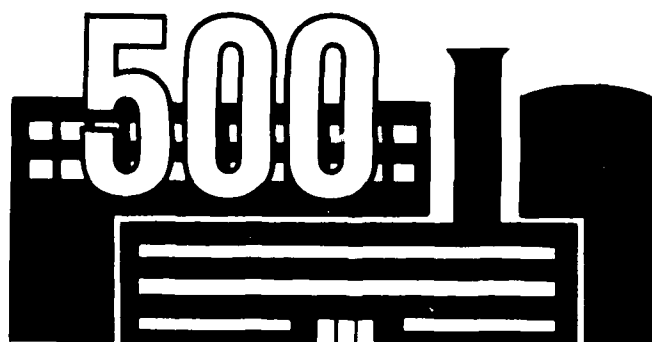
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500 CONTRACTORS

RECEIVING THE LARGEST DOLLAR VOLUME
OF PRIME CONTRACT AWARDS
FOR RDT&E

Fiscal Year 1987

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500 CONTRACTORS RECEIVING THE LARGEST DOLLAR VOLUME OF PRIME CONTRACT AWARDS FOR RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

Fiscal Year 1987

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FOREWORD

500 Contractors Receiving the Largest Dollar Volume of Prime Contract Awards for Research, Development, Test and Evaluation (RDT&E) is published annually. This report provides information on the 500 contractors that received the largest dollar volume in Department of Defense (DOD) prime contract awards over \$25,000 for RDT&E. These data are presented in five tables showing:

1. An alphabetical listing of the top 500 companies, with rank;
2. The ranking and net value of awards to business firms operating in the United States;
3. The ranking and net value of awards to educational and other nonprofit institutions operating in the United States;
4. The ranking and net value of awards to foreign contractors; and
5. The ranking and net value of awards to U.S. government agencies.

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INTRODUCTION

This report presents summary data on the 500 prime contractors receiving the largest dollar volume in Department of Defense (DOD) awards over \$25,000 for research, development, test, and evaluation (RDT&E) work during Fiscal Year (FY) 1987. RDT&E work can include research, exploratory development, advanced development, engineering development, operational systems development, or management and support services. (Full definitions for each of these categories are provided in DFARS 35.001.)

Table 1 (page 7) lists the 500 contractors in alphabetical order, shows the ranking for each, and shows how each has been categorized for reporting purposes. The categories are business firm (B), foreign contractor (F), and nonprofit institution (N). Table 2 (page 13) shows the net value of awards to U.S. business firms by rank. Those firms which qualify as small businesses are further identified by an "S". The net value of awards to each of the firm's reported locations is also provided. Tables 3, 4, and 5 (pages 29, 33, and 35, respectively) provide the net value of awards to U.S. educational and other nonprofit institutions, foreign contractors, and U.S. government agencies. (While awards to U.S. government agencies are listed separately in Table 5, these agencies are categorized as nonprofit institutions in Table 1.) As in Table 2, contractors in Tables 3 through 5 are shown by rank, along with the net value of awards to each of the contractor's reported locations.

NOTES ON COVERAGE

The dollar amounts shown here include prime contract awards over \$25,000 for RDT&E work only. Data on awards for other services, such as training, and on any supplies furnished by the contractors in support of research being done are excluded. Contract awards for civil functions have been included in these data. Civil functions encompass planning, programming, designing, constructing, and operating Federal water resource projects for navigation, flood control, hydroelectric power production, water supply, and other related activities.

The locations shown in the tables are the places where the work was to be performed. Normally, this is a facility of the concern awarded the contract. However, if the work was scheduled to be performed at a Defense facility, such as an Air Force base, the location shown may be that of the Defense facility rather than the contractor.

DATA RELATING TO COMPANIES IN THIS PUBLICATION ARE SUBJECT TO THE ACCURACY OF THE DUN & BRADSTREET CORPORATION'S DATA UNIVERSAL NUMBERING SYSTEM AND ITS ABILITY TO DESCRIBE RELATIONSHIPS OF COMPANIES.

HIGHLIGHTS

The following table shows the net value and percent distribution of all RDT&E awards, RDT&E awards to the top 500 companies, and all other RDT&E awards for FY 1987.

Department of Defense Prime Contract Awards Over \$25,000 **Fiscal Year 1987**

TYPE OF CONTRACTOR	TOTAL RDT&E			TOP 500 RDT&E			ALL OTHER RDT&E		
	NUMBER	AWARDS (\$000)	% OF TOTAL \$	NUMBER	AWARDS (\$000)	% OF TOTAL \$	NUMBER	AWARDS (\$000)	% OF TOTAL \$
RDT&E - TOTAL	2,583	21,809,069	100	500	21,214,711	100	2,083	594,358	100
BUSINESS FIRMS	2,149	18,896,562	87	380	18,411,153	87	1,769	485,409	82
Small	1,627	1,424,545	7	178	1,017,946	5	1,449	406,599	68
Large	522	17,472,017	80	202	17,393,207	82	320	78,810	13
EDUCATIONAL & NONPROFIT	306	2,754,355	13	100	2,672,159	13	206	82,196	14
Educational	209	1,463,347	7	75	1,403,466	7	134	59,881	10
Other Nonprofit	97	1,291,008	6	25	1,268,693	6	72	22,315	4
U.S. GOVERNMENT AGENCIES	7	17,957	*	3	17,109	*	4	849	*
FOREIGN	121	140,195	1	17	114,291	1	104	25,904	4

*LESS THAN 0.5 PERCENT

NOTE: TOTALS MAY NOT ADD DUE TO ROUNDING

Based on the percentage of total awards, the distribution of FY 1987 awards varies moderately from that in FY 1986. In FY 1987, the top 500 contractors included 380 U.S. business firms (178 of which were small businesses); 100 educational and nonprofit institutions; 3 U.S. government agencies; and 17 foreign contractors.

In FY 1986 the top 500 consisted of 376 business firms (169 were small businesses), 109 educational and nonprofit institutions; 4 U.S. government agencies and 11 foreign contractors.

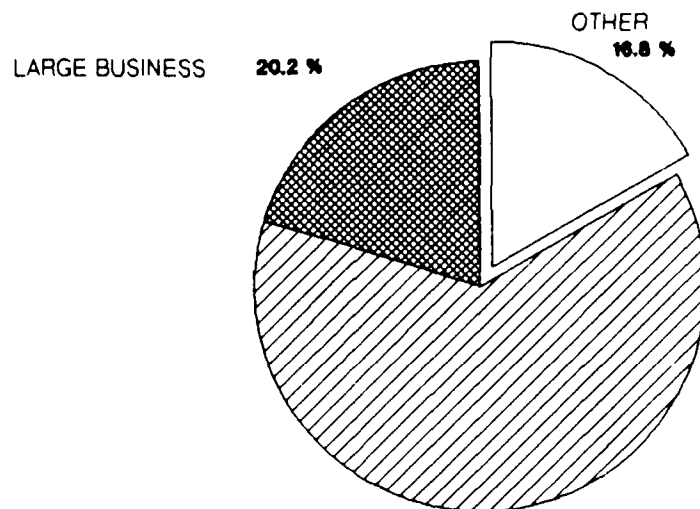
The top 500 RDT&E contractors received awards totaling \$21,215 million in FY 1987, compared to \$19,237 million in FY 1986, an increase of \$1,978 million or 10.3 percent. The \$21,215 million represents 97.3 percent of the \$21,809 million total prime contract awards over \$25,000 for RDT&E work in FY 1987.

In addition to the top 500 contractors, there were 2,083 other contractors for whom RDT&E procurement actions over \$25,000 were reported, for a total of 2,583 contractors in FY 1987. In FY 1986, the total number of contractors was 2,429.

Of the 37 contractors with RDT&E awards of \$100 million or more in FY 1987, 32 were business firms and 5 were educational and other nonprofit institutions. These 37 contractors had a total of \$16,043 million in RDT&E awards. In FY 1986, there were 37 contractors who reached the \$100 million plateau, with awards totaling \$14,261 million. Of these 37 fiscal year 1986 contractors, 32 were business firms and 5 were educational and other nonprofit institutions. The amount of awards for this \$100 million group increased by \$1,782 million or 12.5 percent between FY 1986 and 1987.

Breakout of the type of contractors receiving RDT&E awards are shown in the charts on the next page. Both of these charts show the number of firms with their associated percentages, and not the percentage of dollars.

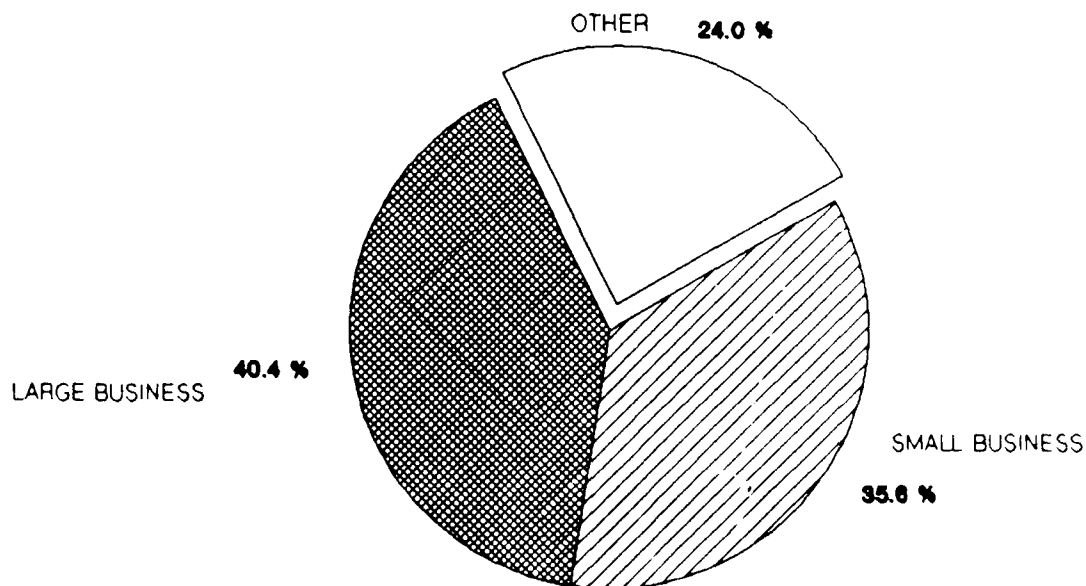
TOTAL CONTRACTORS RECEIVING RDT&E DOLLARS
Fiscal Year 1987



SMALL BUSINESS 63.0 %

TOTAL NUMBER OF FIRMS = 2,583

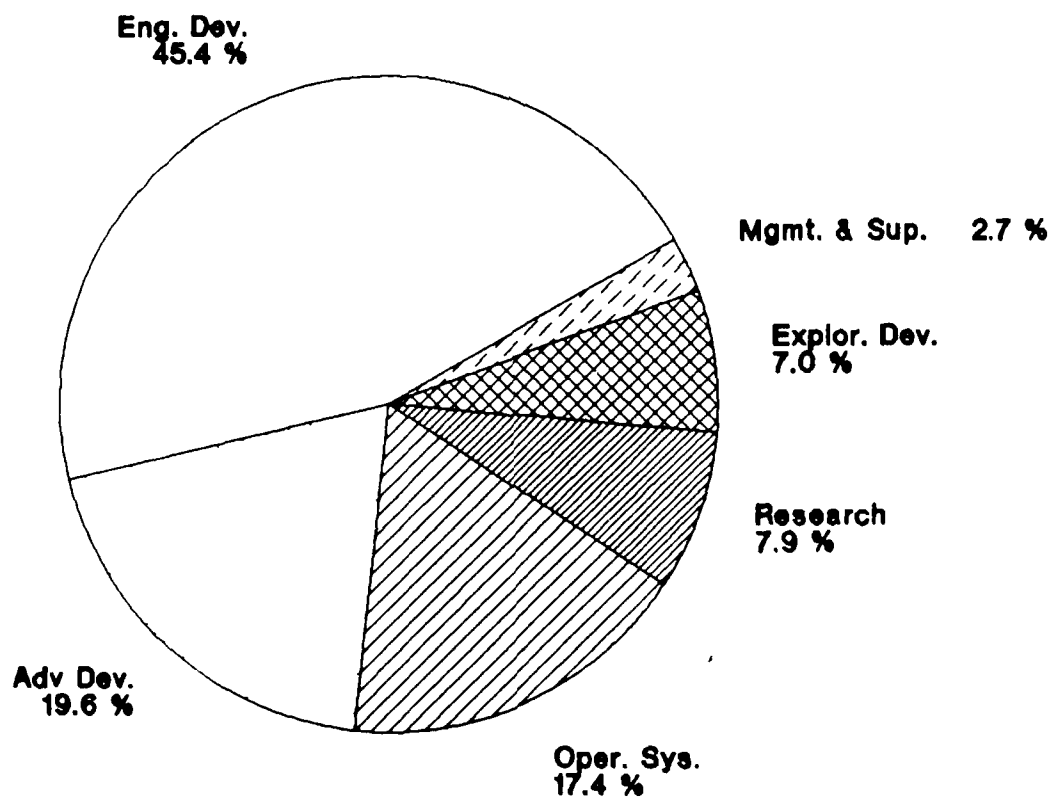
TOP 500 CONTRACTORS - RDT&E
Fiscal Year 1987



The following table shows the type of RDT&E work the contractors were engaged in and the net value and percent distribution of all awards for each of these types in FY 1987. Engineering development accounted for the majority (45.4 percent) of RDT&E awards, followed by advanced development (19.6 percent).

TYPE	AWARDS (\$000)	PERCENT OF TOTAL
RDT&E - TOTAL	\$21,809,069	100.0
Engineering Development	9,890,127	45.4
Advanced Development	4,282,835	19.6
Operational Systems	3,790,612	17.4
Exploratory Development	1,524,003	7.0
Research	1,729,797	7.9
Management and Support	591,695	2.7

DOLLAR AWARDS BY TYPE OF RDT&E WORK Fiscal Year 1987



The last table shows the net value and percent distribution of all RDT&E awards by type of program. Within the RDT&E contracts, the largest volume of awards was for the research, development, test, or evaluation of missile & space systems and electronics & communications equipment. In FY 1987, a combined total of \$12,580 million or 57.8 percent of all RDT&E awards over \$25,000 was for work connected with these programs.

PROGRAM	AWARDS (\$000)	PERCENT OF TOTAL
RDT&E - TOTAL	<u>\$21,809,069</u>	<u>100.0</u>
Missile & Space Systems	7,942,670	36.5
Electronics & Communication Equipment	4,637,410	21.3
Aircraft	3,560,994	16.3
Services	3,234,222	14.8
Weapons	481,917	2.2
Ships	509,613	2.3
Ammunition	588,469	2.7
Tank-Automotive	222,268	1.0
All Other	631,506	2.9

RDT&E DOLLARS AWARDS BY TYPE OF PROGRAM

Fiscal Year 1987

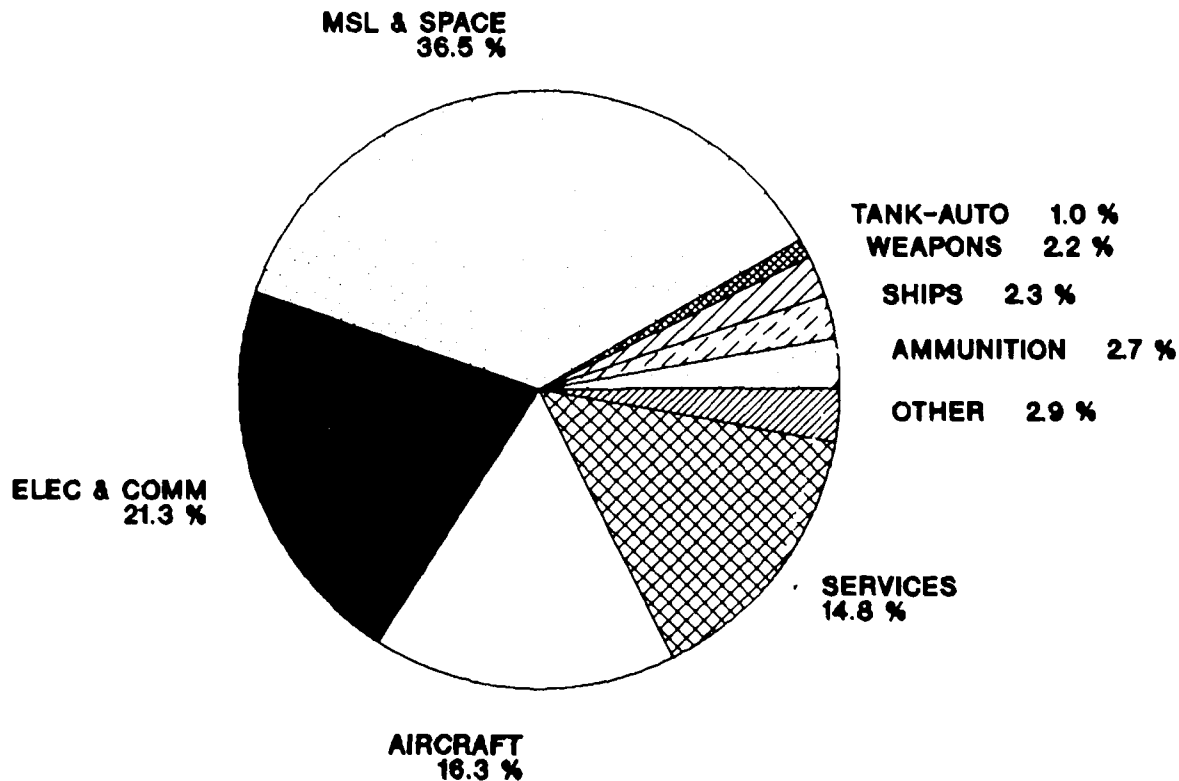


Table 1. Alphabetical Listing of the Top 500 DOD Prime Contractors for Research, Development, Test, and Evaluation Work: FY 1987

RANK	*	CONTRACTOR	RANK	*	CONTRACTOR
101	B	A A I CORPORATION	257	B	AUTOMATED SCIENCES GROUP INC
29	B	A T & I TECHNOLOGIES INC	428	B	AUTOMETRIC INC
109	B	ACUREX CORPORATION	30	B	AVCO CORPORATION
424	B	ADAPTIVE OPTICS ASSOCIATES INC	418	B	B-K DYNAMICS INC
227	B	ADVANCED DECISION SYSTEMS	319	F	BAKELIHFABRIKEN
407	B	ADVANCED DIGITAL SYSTEM INC	71	B	BALL CORPORATION
473	B	ADVANCED RES & APPLICATIONS	75	N	BATTIELE MEMORIAL INSTITUTE
277	B	ADVANCED TECHNOLOGY INC	451	B	BAXTER HEALTHCARE CORPORATION
404	B	AERODYNE RESEARCH INC	45	B	BDM CORPORATION
31	B	AEROJET ELECTROSYSTEMS CO	248	B	BDM MANAGEMENT SERVICES CO
63	B	AEROJET GENERAL CORPORATION	325	B	BEECH AIRCRAFT CORPORATION
315	B	AEROJET ORDNANCE COMPANY	14	B	BELL BOEING JV
156	B	AEROJET SOLID PROPELLSION CO	122	B	BELL HELICOPTER TEXTRON INC
204	B	AEROJET TECHSYSTEMS CO	85	B	BENDIX FIELD ENGINEERING CORP
436	B	AEROLIFT INC	279	B	BERKELEY RESEARCH ASSOCIATES
265	B	AEROMET INC	318	B	BIRDAIR STRUCTURES INC
18	N	AEROSPACE CORPORATION THE	378	F	BODENSEEWERK GERÄTETECHNIK EM
484	B	ALLEN CORPORATION OF AMERICA	4	B	BOEING COMPANY THE
49	B	ALLIED-SIGNAL INC	56	B	BOLI BERANEK & NEWMAN INC
120	B	ALPHATECH INC	76	B	BOOZ ALLEN & HAMILTON INC
448	B	ALUMINUM COMPANY OF AMERICA	321	N	BOSTON UNIVERSITY
44	B	AM GENERAL CORPORATION	323	N	BROWN UNIV PRV ST RI PLAN
413	B	AMERICAN ELECTRONIC LABS	312	B	BRUNSWICK CORPORATION
245	B	AMERICAN OPTICAL CORPORATION	350	B	C3CM IST ENGR
311	N	AMERICAN SOC FOR ENGRG EDUCTN	217	B	CACI INTERNATIONAL INC
164	B	AMERICAN SYSTEMS CORPORATION	218	N	CALIFORNIA INST OF TECHNOLOGY
238	B	ANALYSIS & COMPUTER SYSTEMS	155	B	CALIFORNIA MICROWAVE INC
307	B	ANALYSIS & TECHNOLOGY INC	203	B	CALIFORNIA RES & TECHNOLOGY
464	B	ANALYTIC DECISION INC	372	N	CALIFORNIA STATE UNIVERSITY
84	B	ANALYTIC SCIENCES CORP THE	48	B	CALSPAN CORPORATION
98	N	ANALYTIC SERVICES INC	349	B	CAMPBELL ENGINEERING INC
112	B	ANALYTICAL SYSTEMS ENGRG CORP	92	F	CANADIAN COMMERCIAL CORPORATN
114	B	ANALYTICS INCORPORATED	66	N	CARNEGIE-MELLON UNIVERSITY
374	B	ANALYTIX ELECTRONIC SYSTEMS	314	B	CARTWRIGHT ENGINEERING INC
499	B	ANTHROPOLOGY RESEARCH PROJECT	422	B	CAS INC
371	B	APPLICATIONS RESEARCH CORP	328	N	CASE WESTERN RESERVE UNIV
301	B	APPLIED RESEARCH ASSOCIATES	192	B	CBI NA-CON INC
170	B	APPLIED RESEARCH INC	169	B	CHAMBERLAIN MANUFACTURING CORP
382	B	APPLIED SIGNAL TECHNOLOGY INC	162	B	CHRYSLER CORPORATION
243	B	APPLIED TECHNOLOGY ASSOCIATES	306	B	CINCINNATI ELECTRONICS CORP
425	B	APTEK INC	459	B	CLS LASER SYSTEMS INC
274	B	AQUIDNECK SYSTEMS INTL	33	B	COLLINS INTERNATIONAL SV CO
353	B	ARES INC	362	N	COLORADO STATE UNIVERSITY
177	B	ARGOSYSTEMS INC	72	B	COLSA INC
116	B	ARINC RESEARCH CORPORATION	194	N	COLUMBIA UNIVERSITY
488	N	ARIZONA STATE UNIVERSITY	280	B	COMARCO INC
215	B	ASSURANCE TECHNOLOGY CORP	443	B	COMBUSTION ENGINEERING INC
429	B	ASTRON RESEARCH & ENGINEERING	373	B	COMMAND CONTRL COMMUNICATIONS
159	B	ATLANTIC RESEARCH CORPORATION	246	B	COMTEK RESEARCH INC
258	N	AUBURN UNIVERSITY	340	B	COMPUTER RESOURCE ENGRG ASSOC

* B = Business Firm
F = Foreign Contractor
N = Nonprofit Institution

Table 1. Alphabetical Listing of the Top 500 DOD Prime Contractors for Research, Development, Test, and Evaluation Work: FY 1987

RANK	*	CONTRACTOR	RANK	*	CONTRACTOR
437	B	COMPUTER SCIENCES CORPORATION	117	B	BOEY ELECTRIC ENGINEERS INC
438	B	COMPUTER SOFTWARE ANALYSIS INC	118	B	EVALUATION RESEARCH CORP
439	B	CONCOR SYSTEMS INC	119	B	EVANS, CHARLES & ASSOCIATES
440	B	CONTRACTS WARE CORPORATION	120	B	EXIDE CORPORATION
441	F	CONTROL DATA CANADA LIMITED	121	B	FAIRCHILD WESTON SYSTEMS INC
442	B	CONTROL DATA CORPORATION	122	B	FIBER MATERIALS INC
443	N	CORNELL UNIVERSITY	123	B	FIRETEK INC
444	F	CORVUS INC	124	B	FIRESTONE TIRE & RUBBER CO THE
445	B	CORVUS CORPORATION	125	B	FLIGHT SYSTEMS INC
446	B	COWI ENGINE COMPANY INC	126	B	FMC CORPORATION
447	B	DAVID DARNLEY RESEARCH LABS	127	B	FINE APPAREL CORPORATION
448	B	DEA SYSTEMS INC	128	B	FISHER-MILLER INC
449	B	DEFENSE SCIENCE APPLICATIONS	129	B	FREQUENCY ELECTRONICS INC
450	B	DEFENSE JOHN TECHNOLOGIES INTL	130	B	FRIED, C. L. ASSOCIATES INC
451	B	DEFENSE SYSTEMS INC	131	F	G. E. I. ASSOCIATES LTD
452	B	DELTA RESEARCH INC	132	B	G. E. LABORATORIES INC
453	B	DIGITAL ELECTRONIC CORPORATION	133	B	G. E. TESTERIES INC
454	B	DIGITAL SIGNAL CORPORATION	134	B	GA TECHNOLOGIES INC
455	B	DYNALCON SYSTEMS INC	135	B	GENCO INC
456	B	DYNASAVATION INC	136	B	GENERAL APPLIED SCIENCE
457	B	DYNATECHNICAL SYSTEMS INC	137	B	GENERAL DYNAMICS CORPORATION
458	B	DYNATECHNICAL SYSTEMS INC	138	B	GENERAL ELECTRIC COMPANY
459	N	EDWARD CHARLES STARK LAB INC	139	B	GENERAL INSTRUMENT CORP INC
460	N	DUKE UNIVERSITY	140	B	GENERAL MOTORS CORPORATION
461	B	DYNASAVE CORPORATION	141	B	GENERAL RESEARCH CORPORATION
462	B	DYNAMAT CORPORATION	142	B	GEO CENTERS INC
463	B	DYNAMAT INTERNATIONAL INC	143	B	GEODYNAMIC CORPORATION
464	B	DYNAMAT RESEARCH CORPORATION	144	B	GRIMET INC
465	B	DYNAPAC INC	145	N	GRUBBA INSTITUTE TECHNOLOGY
466	B	DYNAPAC INC	146	B	GRUBBA ASSOCIATES INC
467	B	ELECTRIC CORPORATION	147	B	GLOBAL ASSOCIATES INC
468	B	ELECTRIC ANALYSIS AND DESIGN	148	B	GLOBAL INC
469	F	ELECTRIC INC	149	B	GLOBAL APPAREL CORPORATION
470	B	ELECTRIC INC	150	B	GLOBAL SYSTEMS INC
471	B	ELECTRIC INC	151	B	GLOBAL SYSTEMS INC
472	B	ELECTRIC INC	152	B	GLOBAL SYSTEMS INC
473	B	ELECTRIC INC	153	B	GLOBAL SYSTEMS INC
474	B	ELECTRIC INC	154	B	GLOBAL SYSTEMS INC
475	B	ELECTRIC INC	155	B	GLOBAL SYSTEMS INC
476	B	ELECTRIC INC	156	B	GLOBAL SYSTEMS INC
477	B	ELECTRIC INC	157	B	GLOBAL SYSTEMS INC
478	B	ELECTRIC INC	158	B	GLOBAL SYSTEMS INC
479	B	ELECTRIC INC	159	B	GLOBAL SYSTEMS INC
480	B	ELECTRIC INC	160	B	GLOBAL SYSTEMS INC
481	B	ELECTRIC INC	161	B	GLOBAL SYSTEMS INC
482	B	ELECTRIC INC	162	B	GLOBAL SYSTEMS INC
483	B	ELECTRIC INC	163	B	GLOBAL SYSTEMS INC
484	B	ELECTRIC INC	164	B	GLOBAL SYSTEMS INC
485	B	ELECTRIC INC	165	B	GLOBAL SYSTEMS INC
486	B	ELECTRIC INC	166	B	GLOBAL SYSTEMS INC
487	B	ELECTRIC INC	167	B	GLOBAL SYSTEMS INC
488	B	ELECTRIC INC	168	B	GLOBAL SYSTEMS INC
489	B	ELECTRIC INC	169	B	GLOBAL SYSTEMS INC
490	B	ELECTRIC INC	170	B	GLOBAL SYSTEMS INC
491	B	ELECTRIC INC	171	B	GLOBAL SYSTEMS INC
492	B	ELECTRIC INC	172	B	GLOBAL SYSTEMS INC
493	B	ELECTRIC INC	173	B	GLOBAL SYSTEMS INC
494	B	ELECTRIC INC	174	B	GLOBAL SYSTEMS INC
495	B	ELECTRIC INC	175	B	GLOBAL SYSTEMS INC
496	B	ELECTRIC INC	176	B	GLOBAL SYSTEMS INC
497	B	ELECTRIC INC	177	B	GLOBAL SYSTEMS INC
498	B	ELECTRIC INC	178	B	GLOBAL SYSTEMS INC
499	B	ELECTRIC INC	179	B	GLOBAL SYSTEMS INC
500	B	ELECTRIC INC	180	B	GLOBAL SYSTEMS INC

* B = Business Firm
F = Foreign Contractor
N = Nonprofit Institution

Table 1. Alphabetical Listing of the Top 500 DOD Prime Contractors for Research, Development, Test, and Evaluation Work: FY 1987

RANK	*	CONTRACTOR	RANK	*	CONTRACTOR
443	B	I A F RESEARCH INC	58	B	LEGAL CORPORATION
449	N	I I T RESEARCH INSTITUTE	469	B	LEGAL HYDRO INC
452	B	I I T INDUSTRIES (DELAWARE)	234	B	LOS ALAMOS TECHNICAL ASSOC
459	B	I M R SYSTEMS CORPORATION	384	N	LOUISIANA STATE UNIVERSITY
468	B	I R T CORPORATION	32	B	LTV AEROSPACE & DEFENSE CO
471	B	I NET INC	89	B	LTV CORPORATION THE
480	B	ICE INC/REFRATED	46	B	M C I T INC
481	B	INFORMATION DEV & APPLICATIONS	147	B	M A JIM LINKBETT INC
482	B	INFORMATION SYSTEMS NIGERS CORP	257	B	MAD AULAY BRON INC
484	B	INTEGRATED DEVELOPMENT INC	53	B	MALINOVSKY GOVT ADVISORY SER CO
491	N	INSTITUTE FOR DEF ANALYSIS	277	B	MALINOVSKY OVERSEAS LTD
494	B	INTEGRATED SYSTEMS ANALYSIS	474	B	MANDEX INC
495	F	INTERMARINE SEA	217	B	MANTHE INTERNATIONAL CORP
496	B	INTERMETRICS INC	275	B	MAR INC/REFRATED
497	B	INTERNATIONAL BUS MACHS CORP	271	B	MARGARITE COMPANY THE
498	B	INTERNATIONAL COMPUTERS DESIGN	7	B	MARTIN MARINETTA CORPORATION
499	B	INTERSTATE ELECTRONIC CORP	242	B	MARTIN BAKER AIRCRAFT CO LTD
500	F	IRVING MILITARY INDUSTRIES	11	N	MASCHKE'S INST OF TECH EDU
501	F	ISRAELI MINISTRY OF DEFENSE	438	B	MASSACHUSETTS COMPUTER ASSN
502	B	ISRAELI MINISTRY OF DEFENSE	77	B	MASSACHUSETTS LABS/REFRATED INC
503	B	ITEK CORPORATION	253	N	MATCO FOUNDATION
504	B	ITEK CORPORATION	1	B	MC DONNELL DOUGLAS CORPORATION
505	B	ITEK RESEARCH LABS/REFRATED	217	B	MC DONNELL DOUGLAS HELICOPTER
506	B	ITEK COMMUNICATIONS MEDICAL	184	B	MC DONNELL DOUGLAS INC/INT
507	B	ITEK CORP	470	B	MECHANICAL TECHNOLOGY INC
508	N	JOHNS HOPKINS UNIVERSITY	119	F	MESSERSCHMITT BOELKOW BLOHM
509	B	JOHNS HOPKINS UNIVERSITY	444	B	METRIC SYSTEMS CORPORATION
510	B	KAMAN AEROSPACE CORPORATION	441	N	MICHIGAN TECHNOLOGICAL UNIV
511	B	KAMAN CORPORATION	149	F	MINISTRY OF DEFENSE UK
512	B	KAMAN RESEARCH CORPORATION	44	B	MISSION RESEARCH CORPORATION
513	B	KATRON INC	10	N	MITRE CORPORATION THE
514	B	KATRON INC/REFRATED ASSOCIATES	44	B	MORTON THOMAS INC
515	B	KATRON INC/REFRATED ASSOCIATES	44	B	MORTON THOMAS INC
516	B	KATRON INC/REFRATED ASSOCIATES	44	B	MORTON THOMAS INC
517	B	KATRON INC/REFRATED ASSOCIATES	44	B	MORTON THOMAS INC
518	B	KATRON INC/REFRATED ASSOCIATES	44	B	MORTON THOMAS INC
519	B	KATRON INC/REFRATED ASSOCIATES	44	B	MORTON THOMAS INC
520	B	KATRON INC/REFRATED ASSOCIATES	44	B	MORTON THOMAS INC
521	B	KATRON INC/REFRATED ASSOCIATES	44	B	MORTON THOMAS INC
522	B	KATRON INC/REFRATED ASSOCIATES	44	B	MORTON THOMAS INC
523	B	KATRON INC/REFRATED ASSOCIATES	44	B	MORTON THOMAS INC
524	B	KATRON INC/REFRATED ASSOCIATES	44	B	MORTON THOMAS INC
525	B	KATRON INC/REFRATED ASSOCIATES	44	B	MORTON THOMAS INC
526	B	KATRON INC/REFRATED ASSOCIATES	44	B	MORTON THOMAS INC
527	B	KATRON INC/REFRATED ASSOCIATES	44	B	MORTON THOMAS INC
528	B	KATRON INC/REFRATED ASSOCIATES	44	B	MORTON THOMAS INC
529	B	KATRON INC/REFRATED ASSOCIATES	44	B	MORTON THOMAS INC
530	B	KATRON INC/REFRATED ASSOCIATES	44	B	MORTON THOMAS INC
531	B	KATRON INC/REFRATED ASSOCIATES	44	B	MORTON THOMAS INC
532	B	KATRON INC/REFRATED ASSOCIATES	44	B	MORTON THOMAS INC
533	B	KATRON INC/REFRATED ASSOCIATES	44	B	MORTON THOMAS INC
534	B	KATRON INC/REFRATED ASSOCIATES	44	B	MORTON THOMAS INC
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536	B	KATRON INC/REFRATED ASSOCIATES	44	B	MORTON THOMAS INC
537	B	KATRON INC/REFRATED ASSOCIATES	44	B	MORTON THOMAS INC
538	B	KATRON INC/REFRATED ASSOCIATES	44	B	MORTON THOMAS INC
539	B	KATRON INC/REFRATED ASSOCIATES	44	B	MORTON THOMAS INC
540	B	KATRON INC/REFRATED ASSOCIATES	44	B	MORTON THOMAS INC
541	B	KATRON INC/REFRATED ASSOCIATES	44	B	MORTON THOMAS INC
542	B	KATRON INC/REFRATED ASSOCIATES	44	B	MORTON THOMAS INC
543	B	KATRON INC/REFRATED ASSOCIATES	44	B	MORTON THOMAS INC
544	B	KATRON INC/REFRATED ASSOCIATES	44	B	MORTON THOMAS INC
545	B	KATRON INC/REFRATED ASSOCIATES	44	B	MORTON THOMAS INC
546	B	KATRON INC/REFRATED ASSOCIATES	44	B	MORTON THOMAS INC
547	B	KATRON INC/REFRATED ASSOCIATES	44	B	MORTON THOMAS INC
548	B	KATRON INC/REFRATED ASSOCIATES	44	B	MORTON THOMAS INC
549	B	KATRON INC/REFRATED ASSOCIATES	44	B	MORTON THOMAS INC
550	B	KATRON INC/REFRATED ASSOCIATES	44	B	MORTON THOMAS INC

* B = Business Firm
F = Foreign Contractor
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Table 1. Alphabetical Listing of the Top 500 DOD Prime Contractors for Research, Development, Test, and Evaluation Work: FY 1987

RANK	*	CONTRACTOR	RANK	*	CONTRACTOR
101	B	NTS ENGINEERING	371	N	RESEARCH TRIANGLE INSTITUTE
102	B	NUCLEAR RESEARCH CORPORATION	372	N	RICE WILLIAM MARSH UNIVERSITY
103	B	O A O CORPORATION	373	B	RIKER LABORATORIES INC
104	B	OCEAN DATA SYSTEMS INC	374	N	RIVERGILE RESEARCH INSTITUTE
105	B	ODYSSEY RESEARCH ASSOCIATES	375	B	RMS TECHNOLOGIES INTERNATIONAL
106	N	OHIO STATE UNIVERSITY	376	B	ROBBINS COMPANY, THE
107	N	OKLAHOMA STATE UNIV AP SC	377	B	ROCKWELL INTERNATIONAL CORP
108	B	OLIN CORPORATION	378	B	ROHM AND HAAS COMPANY
109	B	OMNI ANALYSIS INC	379	F	ROLO ROYCE INC
110	B	OPTOMETRICS INC	380	F	ROYAL NORWEGIAN NAVAL MATERIAL
111	N	OREGON STATE UNIVERSITY	381	B	S SYSTEMS CORPORATION
112	B	ORION INC	382	B	OSCAR FREEMAN ASSOCIATES INC
113	B	ORION INTERNATIONAL CORPORATION	383	N	OSCAR INC OF BIOLOGICAL RESEARCH
114	B	ORION CORPORATION	384	N	SAN DIEGO STATE UNIV FURNACE
115	B	ORION HELICOPTER AIRWAYS	385	B	SANDERS ASSOCIATES INC
116	B	ORION INTERNATIONAL INDUSTRIES INC	386	B	SANDERSON JOINT VENTURE
117	B	ORION ENGINEERING	387	B	SCHAFER JOINT ASSOCIATES INC
118	B	ORION SYSTEMS INC	388	B	SCIENCE APPLICATIONS INC
119	B	ORION INTERNATIONAL RESEARCH CORP	389	B	SCIENTIFIC RESEARCH ASSOCIATES
120	B	ORION TECHNOLOGY	390	B	SCIENTIFIC ATLANTA INC
121	B	ORION INTERNATIONAL CORPORATION	391	B	SCIENTIFIC ATLANTA INC
122	B	ORION INTERNATIONAL CORPORATION	392	B	SCIENTIFIC ATLANTA INC
123	N	PENNSYLVANIA STATE UNIV	393	B	SCIENTIFIC ATLANTA INC
124	B	PERFORMANCE INC	394	B	SCIENTIFIC ATLANTA INC
125	B	PERFORMANCE CORPORATION	395	B	SCIENTIFIC ATLANTA INC
126	B	PERFORMANCE CORPORATION	396	B	SCIENTIFIC ATLANTA INC
127	B	PERFORMANCE CORPORATION	397	B	SCIENTIFIC ATLANTA INC
128	B	PERFORMANCE CORPORATION	398	B	SCIENTIFIC ATLANTA INC
129	B	PERFORMANCE CORPORATION	399	B	SCIENTIFIC ATLANTA INC
130	B	PERFORMANCE CORPORATION	400	B	SCIENTIFIC ATLANTA INC
131	B	PERFORMANCE CORPORATION	401	B	SCIENTIFIC ATLANTA INC
132	B	PERFORMANCE CORPORATION	402	B	SCIENTIFIC ATLANTA INC
133	B	PERFORMANCE CORPORATION	403	B	SCIENTIFIC ATLANTA INC
134	B	PERFORMANCE CORPORATION	404	B	SCIENTIFIC ATLANTA INC
135	B	PERFORMANCE CORPORATION	405	B	SCIENTIFIC ATLANTA INC
136	B	PERFORMANCE CORPORATION	406	B	SCIENTIFIC ATLANTA INC
137	B	PERFORMANCE CORPORATION	407	B	SCIENTIFIC ATLANTA INC
138	B	PERFORMANCE CORPORATION	408	B	SCIENTIFIC ATLANTA INC
139	B	PERFORMANCE CORPORATION	409	B	SCIENTIFIC ATLANTA INC
140	B	PERFORMANCE CORPORATION	410	B	SCIENTIFIC ATLANTA INC
141	B	PERFORMANCE CORPORATION	411	B	SCIENTIFIC ATLANTA INC
142	B	PERFORMANCE CORPORATION	412	B	SCIENTIFIC ATLANTA INC
143	B	PERFORMANCE CORPORATION	413	B	SCIENTIFIC ATLANTA INC
144	B	PERFORMANCE CORPORATION	414	B	SCIENTIFIC ATLANTA INC
145	B	PERFORMANCE CORPORATION	415	B	SCIENTIFIC ATLANTA INC
146	B	PERFORMANCE CORPORATION	416	B	SCIENTIFIC ATLANTA INC
147	B	PERFORMANCE CORPORATION	417	B	SCIENTIFIC ATLANTA INC
148	B	PERFORMANCE CORPORATION	418	B	SCIENTIFIC ATLANTA INC
149	B	PERFORMANCE CORPORATION	419	B	SCIENTIFIC ATLANTA INC
150	B	PERFORMANCE CORPORATION	420	B	SCIENTIFIC ATLANTA INC

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Table 1. Alphabetical Listing of the Top 500 DOD Prime Contractors for Research, Development, Test, and Evaluation Work: FY 1987

RANK	*	CONTRACTOR	RANK	*	CONTRACTOR
297	B	SYNETICS CORPORATION	294	N	UNIVERSITY OF COLORADO
231	B	SYNOPTIC SYSTEMS CORP	426	N	UNIVERSITY OF CONNECTICUT
284	N	SYRACUSE RESEARCH CORP	110	N	UNIVERSITY OF DAYTON
300	N	SYRACUSE UNIVERSITY	403	N	UNIVERSITY OF DELAWARE INC
185	B	SYSTEM CORPORATION	195	N	UNIVERSITY OF FLORIDA
87	B	SYSTEM DEVELOPMENT CORPORATION	115	N	UNIVERSITY OF ILLINOIS
136	B	SYSTEM PLANNING CORPORATION	363	N	UNIVERSITY OF IOWA THE
251	B	SYSTEMS & APPLIED SCIENCES	124	N	UNIVERSITY OF MARYLAND
394	B	SYSTEMS & ELECTRONICS INC	163	N	UNIVERSITY OF MASSACHUSETTS
460	B	SYSTEMS & LOGISTICS CORP	216	N	UNIVERSITY OF MICHIGAN
230	B	SYSTEMS EXPLORATION INC	385	N	UNIVERSITY OF MINNESOTA
435	B	SYSTEMS PLANNING & ANALYSIS	477	N	UNIVERSITY OF NEW ENGLAND
88	B	SYSTEMS RESEARCH LABORATORIES	241	N	UNIVERSITY OF NEW MEXICO
293	B	SYSTRAN CORP	352	N	UNIVERSITY OF NORTH CAROLINA
466	B	T R W ELECTRONIC PRODUCTS INC	496	N	UNIVERSITY OF OREGON
324	B	T S C INC	240	N	UNIVERSITY OF PENNSYLVANIA
187	B	TALLEY DEFENSE SYSTEMS INC	354	N	UNIVERSITY OF PITTSBURGH
455	B	TECH REPS INCORPORATED	474	N	UNIVERSITY OF RHODE ISLAND
332	B	TECHNO SYSTEMS CORPORATION	237	N	UNIVERSITY OF ROCHESTER
358	B	TECHNICAL & MANAGEMENT SVS	82	N	UNIVERSITY OF SOUTHERN CALIF
291	B	TECHNOLOGY APPLICATIONS	359	N	UNIVERSITY OF TENNESSEE
317	B	TECHNOLOGY DEVELOPMENT CORP	63	N	UNIVERSITY OF TEXAS SYSTEM
490	B	TELEDYNE ENERGY SYSTEMS	232	N	UNIVERSITY OF UTAH
43	B	TELEDYNE INC	397	N	UNIVERSITY OF VIRGINIA
118	B	TELEDYNE INDUSTRIES INC	107	N	UNIVERSITY OF WASHINGTON
201	B	TETRA TECH INC	292	N	UNIVERSITY OF WISCONSIN SYSTEM
256	N	TEXAS A & M UNIVERSITY SYSTEM	120	N	UTAH STATE UNIVERSITY
36	B	TEXAS INSTRUMENTS INCORPORATED	442	B	UTD INC
495	B	TEXAS RESEARCH INSTITUTE INC	345	N	VANDERBILT UNIVERSITY THE
175	B	TEXTRON INC	226	B	VARIAN ASSOCIATES INC
287	B	THINKING MACHINES CORPORATION	178	B	VECTOR RESEARCH COMPANY INC
229	B	TITAN CORPORATION	173	B	VEDA INCORPORATED
281	B	TRACOR APPLIED SCIENCES INC	272	B	VER VAL ENTERPRISES INC
203	B	TRACOR INC	184	B	VERAC INCORPORATED
452	B	TRANS-ATLANTIC FAAD	270	N	VIRGINIA POLYTECHNIC INST ST UNI
467	B	TRIDENT DATA SYSTEMS INC	458	B	VISIDYNE INC
8	B	TRW INC	61	B	VITRO CORPORATION
161	N	U S DEPARTMENT OF COMMERCE	197	B	VITRONICS INC
330	B	U I L CORPORATION	278	B	WALLACE I H INC
174	B	ULTRASYSTEMS INCORPORATED	441	N	WASHINGTON UNIVERSITY
94	B	UNISYS CORPORATION	261	B	WATKINS-JOHNSON COMPANY
364	F	UNITED KINGDOM AUTOMIC	365	B	WEIDINGER ASSOCIATES INC
303	F	UNITED KINGDOM MINISTRY OF DEF	497	N	WENTWORTH INST OF TECH LOND
267	N	UNITED STATES DEPT ENERGY	470	B	WESTERN INSTRUMENT CORPORATION
20	B	UNITED TECHNOLOGIES CORP	249	B	WESTERN RESEARCH CORPORATION
123	B	UNIVERSAL ENERGY SYSTEMS INC	13	B	WESTINGHOUSE ELECTRIC CORP
244	N	UNIVERSITY OF ALABAMA	298	B	WILLIAMS INTERNATIONAL CORP
225	N	UNIVERSITY OF ARIZONA	127	N	WOODS HOLE OCEANOGRAPHIC INSTIT
102	N	UNIVERSITY OF CAL SAN DIEGO	260	B	XUNTECH INC
80	N	UNIVERSITY OF CALIFORNIA	191	N	YALE UNIVERSITY

* B = Business Firm
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**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to Business Firms: FY 1987**

Rank	Name of Contractor Location of Work	Thousands of Dollars	Rank	Name of Contractor Location of Work	Thousands of Dollars
1	MC DONNELL DOUGLAS CORPORATION Huntsville Alabama Mesa Arizona Culver City California El Segundo California Huntington Bea California Long Beach California Torrance California Denver Colorado Titusville Florida Patuxent River Maryland Rockville Maryland Berkeley Missouri St. Louis Missouri Wright Patters Ohio Bergstrom AFB Texas Seattle Washington	1,669,268 * 913 23,620 808 163 450,347 865,122 497 1,432 22,694 600 142 9,003 290,760 626 2,181 360		GENERAL ELECTRIC COMPANY Princeton New Jersey Binghamton New York Johnson City New York Malta New York Schenectady New York Syracuse New York Utica New York Cincinnati Ohio Evendale Ohio King of Prussia Penn Philadelphia Penn Pittsburgh Penn Valley Forge Penn Burlington Vermont	52 134 838 127 112,073 79,856 37,899 170,225 211 725 78,501 329 16,730 7,407
2	MARTIN MARIETTA CORPORATION Mountain View California Vandenberg AFB California Denver Colorado Littleton Colorado Waterton Colorado Orlando Florida Baltimore Maryland Bethesda Maryland Halethorpe Maryland Middle River Maryland Beach Haven Ga New Jersey Albuquerque New Mexico Kirtland AFB New Mexico White Sands Ms New Mexico Oak Ridge Tennessee	1,607,590 * 574 10,877- 1,450,473 17,917 2,534 101,586 28,181 110 375 1,425 1,041 485 3,766 2,000 8,000	7	RAYTHEON COMPANY Goleta California Oxnard California Andover Mass Bedford Mass Burlington Mass Lexington Mass Lowell Mass Marlborough Mass Northborough Mass Sudbury Mass Waltham Mass Wayland Mass West Andover Mass Wayne New Jersey East Providence Rhode Isld Portsmouth Rhode Isld Keyport Naval Washington	593,788 * 7,088 2,472 15,628 90,863 229 3,327 19,191 207,496 734 94,468 414 88,490 45,937 299 50 17,037 65
3	LOCKHEED MISSILES & SPACE CO Huntsville Alabama Palo Alto California Santa Clara California Santa Monica California Sunnyvale California Aurora Colorado Litchicum Maryland Mercury Nevada Sunset New Mexico Austin Texas Seattle Washington	1,536,415 * 797 13,466 1,200 2,367 1,433,807 5,209 195 863 70 77,840 601	8	TRW INC Huntsville Alabama Los Angeles California Redondo Beach California San Bernardino California San Diego California Sunnyvale California Warner Robins Georgia Boston Mass Albuquerque New Mexico Dayton Ohio Wright Patters Ohio Fairfax Virginia Falls Church Virginia McLean Virginia Springfield Virginia	556,580 * 10,053 447 298,569 195,781 20,950 850 105 6,145 1,391 694 3,767 11,856 1,320 970 2,682
4	BOEING COMPANY THE Huntsville Alabama Stratford Conn Wichita Kansas Philadelphia Penn Ridley Townshi Penn Houston Texas Kent Washington Seattle Washington	1,223,459 * 27,689 9,800 42,746 8,782 150 172 41,447 1,092,673	9	ROCKWELL INTERNATIONAL CORP Anaheim California Downey California El Segundo California Los Angeles California Santa Ana California Santa Barbara California Seal Beach California Thousand Oaks California Colorado Sprin Colorado Duluth Georgia Cedar Rapids Iowa Albuquerque New Mexico Kirtland AFB New Mexico Columbus Ohio Richardson Texas	493,967 * 138,649 51,159 298 203,236 147 1,313 19,458 17,549 1,663 2,218 24,511 593 11,821 1,012 20,340
5	JOINTMAN AEROSPACE CORPORATION Huntsville Alabama Melbourne Florida Bethpage New York Beekendaal New York Melville New York	901,517 * 32 60,000 832,805 35 8,645	10	INTERNATIONAL BUS MCHS CORP San Jose California Thousand Oaks California Boulder Colorado Gaithersburg Maryland Owego New York	470,922 * 755 535 4,761 46,310 30,853
6	GENERAL ELECTRIC COMPANY Huntsville Alabama Williams AFB Arizona Washington D.C. Daytona Beach Florida Lanham Maryland Lexington Mass Lynn Mass Pittsfield Mass Wilmington Mass	784,439 * 23,070 4,686 37 160 60 685 38,855 211,156 623			

Minus Amount (Cancellations Exceed New Awards)

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**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to Business Firms: FY 1987**

Rank	Name of Contractor Location of Work	Thousands of Dollars	Rank	Name of Contractor Location of Work	Thousands of Dollars
	INTERNATIONAL BUS MCHS CORP		19	GENERAL DYNAMICS CORPORATION	334,185 *
	Yorktown New York	5,000		Ontario California	3,244
	Yorktown Heigh New York	734		Pomona California	82,729
	Houston Texas	14,798		Rancho Cucamong California	2,289
	Arlington Virginia	137		San Diego California	77,993
	Manassas Virginia	367,039		Groton Conn	73,833
12	HUGHES AIRCRAFT COMPANY	394,699 *		Bellwood Illinois	125
	Tucson Arizona	3,464		Center Line Michigan	5,038
	Anaheim California	50		Sterling Heigh Michigan	11,022
	Buena Park California	445		Troy Michigan	14,445
	Carlsbad California	10,190		Warren Michigan	7,572
	Carson California	232		St. Louis Missouri	1,567
	Culver City California	14,994		Albuquerque New Mexico	200
	El Segundo California	159,467		Dallas Texas	400
	Fullerton California	134,121		Fort Worth Texas	54,449
	Goleta California	2,939		Ogden Utah	479
	Irvine California	846	20	UNITED TECHNOLOGIES CORP	281,940 *
	Long Beach California	593		Sacramento Arm California	400
	Los Angeles California	28,152		San Jose California	8,911
	Maliou California	16,043		Colorado Sprin Colorado	957
	San Diego California	267		East Hartford Conn	82,428
	Santa Barbara California	263		East Hartland Conn	109
	Torrance California	15,840		Hartford Conn	65
	Aurora Colorado	6,018		Middletown Conn	65
	Des Plaines Illinois	75		South Windsor Conn	1,836
	Baltimore Maryland	800		Stratford Conn	25,023
13	WESTINGHOUSE ELECTRIC CORP	385,060 *		Windsor Conn	1,032
	Sunnyvale California	85,743		Windsor Locke Conn	5,514
	Annapolis Maryland	10,376		Kite Florida	412
	Baltimore Maryland	54,292		West Palm Beac Florida	154,815
	Baltimore-Wash Maryland	16,004		Albuquerque New Mexico	373
	Cactus Hill Maryland	76	21	LITTON SYSTEMS INC	262,285 *
	Cockeysville Maryland	567		Los Angeles California	34,719
	Lima Ohio	166		Moorpark California	158
	Wright Patters Ohio	1,000		Sunnyvale California	313
	Banlan Junctio Penn	100		Colorado Sprin Colorado	223,617
	Cool Valley Penn	72		New London Conn	91
	Madison Penn	93		South Windsor Conn	161
	Pittsburgh Penn	8,641		Windsor Conn	540
	West Mifflin Penn	207,930		Orlando Florida	600
14	BELL BOEING JV	375,273 *		College Park Maryland	1,347
	Fort Worth Texas	375,273		Morris Plains New Jersey	336
17	HONEYWELL INC	340,468 *		Williamsport Penn	75
	Glendale Arizona	125		Fort Bliss Texas	43
	Phoenix Arizona	1,710		Blackburg Virginia	371
	San Diego California	34	22	LTV AEROSPACE & DEFENSE CO	253,044 *
	West Covina California	7,714		White Sands Ms New Mexico	2,000
	Colorado Sprin Colorado	182		Buffalo New York	168
	Denver Colorado	125		Dallas Texas	227,672
	Clearwater Florida	20,360		Grand Prairie Texas	23,204
	Tampa Florida	1,336	23	RCA CORPORATION	180,893 *
	Rockford Illinois	106		Hanover Maryland	105
	Annapolis Maryland	769		Burlington Mass	1,186
	Lexington Mass	4,245		Camden New Jersey	48,538
	Bloomington Minnesota	7,201		Moorestown New Jersey	500
	Brooklyn Park Minnesota	28,214		Moorestown Len New Jersey	52,333
	Edina Minnesota	4,567		Morristown New Jersey	5,923
	Golden Valley Minnesota	105		Princeton New Jersey	47,573
	Hopkins Minnesota	146,154		Somerville New Jersey	260
	Minneapolis Minnesota	22,841		New York New York	195
	Minnetonka Minnesota	55,511		Warminster Penn	117
	Plymouth Minnesota	21,082		Fort Worth Texas	1,500
	Roseville Minnesota	350		Springfield Virginia	475
	St. Louis Park Minnesota	181		TERRITORY	26,188
	Eatontown New Jersey	1,676	24	SPERRY CORPORATION	175,902 *
	Albuquerque New Mexico	13,608		Clearwater Florida	1,931
	Horsham Penn	1,319		Waltham Mass	30
	Richardson Texas	240		Eagan Minnesota	183
	Everett Washington	713		St. Paul Minnesota	21,416
				Great Neck New York	150,006

* = Minus Amount (Cancellations Exceed New Awards)
S = Small Business

**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to Business Firms: FY 1987**

Rank	Name of Contractor Location of Work	Thousands of Dollars	Rank	Name of Contractor Location of Work	Thousands of Dollars
	SPERRY CORPORATION Salt Lake City Utah	2,276	33	COLLINS INTERNATIONAL SV CO Cedar Rapids Iowa Columbus Ohio	126,260 * 126,126 134
25	FORD ARSPACE COMMUNICATIONS CORP Mountain View California Newport Beach California Palo Alto California Sunnyvale California Colorado Sprin Colorado Fort Meade Maryland Hanover Maryland	172,143 * 1,639 43,658 51,801 8,469 66,357 101 118	34	GTE PRODUCTS CORP DEL CORP Mountain View California Colorado Sprin Colorado Rockville Maryland Billerica Mass Danvers Mass Needham Mass Waltham Mass Westboro Mass Westborough Mass Towanda Penn Charlottesville Virginia	119,434 * 14,452 385 23,064 55,886 554 3,300 472 2,188 18,165 845 123
27	ITT CORPORATION Edwards AFB California Los Angeles California San Diego California Fort Wayne Indiana Nuttley New Jersey Wright Patters Ohio Roanoke Virginia	163,362 * 50 492 710 15,415 142,644 921 3,130	35	SCIENCE APPLICATIONS INTL CORP Huntsville Alabama Tucson Arizona Hermosa Beach California Irvine California Los Angeles California Monterey California Placentia California San Diego California Denver Colorado Englewood Colorado Fort Walton Be Florida Orlando Florida Kailua Hawaii Aberdeen Prov Maryland Annapolis Maryland Edgewood Arsen Maryland Las Vegas Nevada Albuquerque New Mexico La Fraqua New Mexico Dayton Ohio Wright Patters Ohio Newport Rhode Isld Dahlgren Virginia Falls Church Virginia McLean Virginia	116,180 * 8,952 3,117 10,300 450 99 36 11,322 35,593 96 174 334 4,855 1,621 134 55 168 992 2,551 88 5,975 750 28 50 150 28,290
28	SINGER COMPANY THE Luke Air Force Arizona Williams AFB Arizona Jacksonville Arkansas Belmont California Glendale California San Diego California Stanford Conn Silver Spring Maryland Little Falls New Jersey Wayne New Jersey Binghamton New York Black Mountain N Carolina Wright Patters Ohio Dallas-Fort Wo Texas Houston Texas	146,761 * 2,653 4,737 1,815 11,964 742 187 845 273 73,155 3,229 12,114 468 148 23,315 11,116	36	TEXAS INSTRUMENTS INCORPORATED Naval Weapons California Colorado Sprin Colorado Attleboro Mass Allenfarm Texas Austin Texas Dallas Texas Lewisville Texas McKinney Texas Sherman Texas	112,982 * 82 4,945 116 161 80 86,379 18,220 2,828 171
29	A T & T TECHNOLOGIES INC Sierra Vista Arizona Norcross Georgia North Andover Mass Holmdel New Jersey New Providence New Jersey Whippany New Jersey Burlington N Carolina Greensboro N Carolina Reading Penn	142,673 * 85- 1,875 2,741 333 1,160 3,558 348 130,592 2,151	37	FMC CORPORATION San Jose California Santa Clara California Minneapolis Minnesota	100,800 * 87,581 6,331 6,888
30	AVCO CORPORATION Stratford Conn Stratford AEP Conn Patrick AFB Florida Puunene Hawaii Everett Mass Lowell Mass Wilmington Mass	141,805 * 550 57,934 64 2,754 33,692 3,090 43,721	38	GTE GOVERNMENT SYSTEMS INC Narget Heights Mass Needham Mass Waltham Mass Vienna Virginia TERRITORY	98,499 * 149- 85,097 130 1,364 12,057
31	AEROJET ELECTROSYSTEMS CO Azusa California	140,335 * 140,335	39	HERCULES INCORPORATED Wilmington Delaware Clearwater Florida Cumberland Maryland McGregor Texas Magna Utah Rocket Center W Virginia	97,645 * 170 456 1,106 221 82,044 13,648
32	NORTHROP CORPORATION Anaheim California Hawthorne California Palmdale California Redondo Beach California Rolling Hills California Thousand Oaks California Rantoul Illinois Rolling Meadow Illinois Annapolis Maryland Norwood Mass	126,340 * 1,987 52,602 52,550 873 562 1,600 30 7,536 549 8,051			

- = Minus Amount (Cancellations Exceed New Awards)
S = Small Business

**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to Business Firms: FY 1987**

Rank	Name of Contractor Location of Work	Thousands of Dollars	Rank	Name of Contractor Location of Work	Thousands of Dollars
40	LOCKHEED CORPORATION Burbank California Ontario California Saugus-Bouquet California Sunnyvale California Marietta Georgia Plainfield New Jersey Warminster Penn	94,088 * 82,701 470 1,285 209 9,473 115- 65		COMPUTER SCIENCES CORPORATION Oceanport New Jersey Shrewsbury New Jersey Albuquerque New Mexico Huntingdon Val Penn Dahlgren Virginia Falls Church Virginia	1,59 3,415 14,489 5,404 7,014 3,982
41	HARRIS CORPORATION Melbourne Florida Palm Bay Florida Winter Park Florida Bellevue Nebraska Syosset New York Fairchild AFB Washington	90,743 * 75,711 1,198 1,000 9,958 1,921 955	54	SVERDRUP TECHNOLOGY INC Arnold AFS Tennessee Tullahoma Tennessee	55,401 * 53,736 1,665
42	MOTOROLA INC Chandler Arizona Phoenix Arizona Scottsdale Arizona Tempe Arizona	89,954 * 1,254 1,150 66,566 20,984	55	SPACE COMMUNICATION COMPANY Gaithersburg Maryland	55,980 * 55,980
43	TELEDYNE INC Huntsville Alabama Mobile Alabama Coast Mesa California Los Angeles California Toledo Ohio Garland Texas	89,484 * 82,509 53- 465 356 5,032 25	56	BOLT BERANEK & NEWMAN INC Los Angeles California San Diego California Cambridge Maryland Cambridge Mass	53,645 * 44 44 108 51,775
44	INTERSTATE ELECTRONICS CORP Anaheim California	77,411 * 77,411	57	ESL INCORPORATED Sunnyvale California Denver Colorado Fort Meade Maryland Hawver Maryland	51,111 * 44,509 145 74 4,444
45	BDM CORPORATION Huntsville Alabama Monterey California Boulder Colorado Tyndall AFB Florida Columbia Maryland Albuquerque New Mexico White Sands Ms New Mexico Dayton Ohio Kettering Ohio McLean Virginia Springfield Virginia	74,136 * 10,662 48 153 7,945 1,433 11,598 6,478 478 72 35,248 122	58	GLOBAL CORPORATION Litfield Park Arizona Phoenix Arizona New York New York Yonkers New York Akron Ohio	51,144 * 1,146 43 1,000 116 6,775
46	M D I INC Orlando Florida	72,727 * 72,727	59	HARSIS CORPORATION Pomona California York Penn	41,411 * 175 40,109
48	CALSPAN CORPORATION Buffalo New York Dayton Ohio Philadelphia Penn Arnold AFS Tennessee	65,352 * 14,097 565 430 50,860	60	PERCEPTRONICS INC Los Angeles California Ann Arbor Michigan	41,111 * 40,111 1,000
50	MAGNAVOX GOVT & INDUST ELECTR Torrance California Columbia Indiana Fort Wayne Indiana Mahwah New Jersey	60,840 * 58 70 58,027 2,685	61	VITRO CORPORATION Bethesda Maryland Silver Spring Maryland Warminster Penn Middletown Rhode Island Dahlgren Virginia	41,111 * 1,111 40,111 100 144 400
52	GLOBAL ASSOCIATES JV Oakland California MARSHALL I Foreign Classified Loc Foreign	56,336 * 378- 5,299 51,415	62	LIGHT HELICOPTER TURBIN ENG St. Louis Missouri	46,411 * 46,411
53	COMPUTER SCIENCES CORPORATION Huntsville Alabama Camarillo California San Diego California Boulder Colorado Fort Walton Be Florida Linthicum Maryland Moorestown-Len New Jersey	55,824 * 3,010 3,000 3,573 44 6,036 687 5,010	63	AEROMET GENERAL CORPORATION Azusa California Downey California Nimbus California Sacramento California Sacramento Arm California Fustin California	40,401 * 1,000 1,000 150 14,101 100 100
			65	MORTON THICKOL INC Huntsville Alabama Huntsville Ala Alabama Elkton Maryland Brigham City Utah	40,111 * 1,447 159 3,181 26,207
			67	GENERAL MOTORS CORPORATION Goleta California Indianapolis Indiana Warren Michigan	41,111 * 1,446 22,111 40

* Minus Amount (Cancellations Exceed New Awards)
S Small Business

**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to Business Firms: FY 1987**

Rank	Name of Contractor	Location of Work	Thousands of Dollars	Rank	Name of Contractor	Location of Work	Thousands of Dollars
68	ALLIED-SIGNAL INC.		40,382 *	84	ANALYTIC SCIENCES CORP THE		30,505 *
	Phoenix	Arizona	365-		Fort Walton Be	Florida	1,443
	Los Angeles	California	933		Needham	Mass	70
	Torrance	California	4,324		Reading	Mass	24,511
	Westlake Villa	California	200-		Fairborn	Ohio	501
	Des Plaines	Illinois	153		Reading	Penn	81
	Mishawaka	Indiana	385		Arlington	Virginia	178
	Baltimore	Maryland	29,706		McLean	Virginia	5,316
	Columbia	Maryland	637	85	BENDIX FIELD ENGINEERING CORP		30,300 *
	Towson	Maryland	2,862		Washington	D.C.	209
	Eatontown	New Jersey	333		Columbia	Maryland	25,436
	Morristown	New Jersey	498		La Plata	Maryland	86
	Teterboro	New Jersey	309		Oxon Hill	Maryland	25
	Utica	New York	357		St. Inigoee	Maryland	1,196
	CANADA		450		Las Vegas	Nevada	3,179
71	BALL CORPORATION		38,693 *		Mercury	Nevada	169
	Boulder	Colorado	38,358	86	MISSION RESEARCH CORPORATION	S	29,191 *
	Kirtland AFB	New Mexico	335		Costa Mesa	California	194
72	COLSA INC		37,029 *		San Diego	California	547
	Huntsville	Alabama	36,935		Santa Ana	California	452
	Oak Ridge	Tennessee	94		Santa Barbara	California	24,056
74	R & D ASSOCIATES		35,186 *		Colorado Sprin	Colorado	656
	Marina del Ray	California	25,542		Washington	D.C.	33
	Colorado Sprin	Colorado	150		Nashua	N.H.	248
	Washington	D.C.	99		Albuquerque	New Mexico	2,893
	Albuquerque	New Mexico	1,482		Dayton	Ohio	152
	Kirtland AFB	New Mexico	5,338	87	SYSTEM DEVELOPMENT CORPORATION		28,613 *
	Alexandria	Virginia	215		Huntsville	Alabama	9,306
	Arlington	Virginia	146		Santa Monica	California	4,845
	Springfield	Virginia	328		Eatontown	New Jersey	1,139
	GERMANY, F		1,886		West Long Bran	New Jersey	130
76	BOOZ ALLEN & HAMILTON INC		34,309 *		Pacifi	Penn	12,635
	Bethesda	Maryland	23,645		Warminster	Penn	122
	Hanover	Maryland	150		McLean	Virginia	316
	Linthicum	Maryland	2,455	88	SYSTEMS RESEARCH LABORATORIES		27,996 *
	Silver Spring	Maryland	1,217		Hanover	Maryland	230
	Albuquerque	New Mexico	1,051		Dayton	Ohio	14,447
	Wright Pattern	Ohio	5,236		Wright Pattern	Ohio	12,051
	Arlington	Virginia	51		San Antonio	Texas	11,038
	Vienna	Virginia	504	89	LTV CORPORATION THE		27,748 *
77	MAXWELL LABORATORIES INC		33,738 *		Huntsville	Alabama	9,245
	Fla. entia	California	85		Dallas	Texas	1,916
	San Diego	California	31,512		Fort Worth	Texas	50
	Roxbury Falls	Cnn	150		TERRITORY		16,447
	Albuquerque	New Mexico	1,682	90	LOGICON INC		27,716 *
	Kirtland AFB	New Mexico	126		Los Angeles	California	13,375
	Alexandria	Virginia	183		San Diego	California	4,715
79	GENERAL RESEARCH CORPORATION		33,736 *		San Pedro Hill	California	3,714
	Huntsville	Alabama	8,279		Bellevue	Nebraska	2,018
	Hollister	California	206		Dayton	Ohio	40
	Santa Ana	California	130		Fairfax	Virginia	2,800
	Santa Barbara	California	19,228	91	NICHOLS RESEARCH CORPORATION	S	26,774 *
	Washington	D.C.	329		Birmingham	Alabama	400
	Chelmsford	Mass	850		Huntsville	Alabama	21,487
	McLean	Virginia	4,714		Lynnfield	Mass	200
81	SANDERS ASSOCIATES INC		32,380 *		Wakefield	Mass	47
	Hudson	N.H.	1,640		Ann Arbor	Michigan	100
	Merrimack	N.H.	178		Albuquerque	New Mexico	4,874
	Nashua	N.H.	31,159		White Sands Mo	New Mexico	381
83	EARTH TECHNOLOGY CORPORATION	S	30,544 *	93	KAMAN SCIENCES CORPORATION		26,740 *
	Long Beach	California	30,544		Santa Barbara	California	4,780
					Santa Monica	California	2,480
					Colorado Sprin	Colorado	15,016
					Burlington	Mass	1,800
					Albuquerque	New Mexico	1,030
					Alexandria	Virginia	1,349

- Minus Amount (Cancellations Exceed New Awards)
S = Small Business

**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to Business Firms: FY 1987**

Rank	Name of Contractor	Location of Work	Thousands of Dollars	Rank	Name of Contractor	Location of Work	Thousands of Dollars
94	UNISYS CORPORATION		25,787 *	104	KAMAN CORPORATION		20,427 *
	Huntsville	Alabama	1,684		Bloomfield	Conn	20,427
	San Diego	California	1,315	105	HARRIS MANNAVOK SYSTEMS (COLJVI)		19,644 *
	Santa Monica	California	1,201		Melbourne	Florida	19,644
	St. Paul	Minnesota	433	109	ACUREX CORPORATION		13,347 *
	Great Neck	New York	6,508		Mountain View	California	12,449
	Dayton	Ohio	1,172		Dayton	Ohio	3,489
	Southampton	Penn	287		Wright Patterson	Ohio	5,404
	Trevese	Penn	1,843	111	HAZELTINE CORPORATION		18,938 *
	Dahlgren	Virginia	1,723		Braintree	Mass	8,954
	Herndon	Virginia	87		Greenlawn	New York	7,635
	McLean	Virginia	812		Huntington	New York	2,349
	Reston	Virginia	4,151	112	ANALYTICAL SYSTEMS ENGRG CORP	S	18,218 *
95	EATON CORPORATION		24,460 *		Washington	D.C.	250
	Westlake Villa	California	167		Melbourne	Florida	145
	Beverly	Mass	270		Burlington	Mass	15,293
	Deer Park	New York	1,055		Rome	New York	225
	Deer River	New York	7,459		Elizabet	Texas	2,305
	Farmingdale	New York	979	113	ENREX ELECTRO ENGINEERS INC	S	18,190 *
	Hempstead	New York	15,371		Bensenville	Illinois	18,190
	Melville	New York	1,579	114	ANALYTICS INCORPORATED	S	18,117 *
96	E SYSTEMS INC		24,125 *		Linthicum	Maryland	894
	Saint Petersburg	Florida	12,521		Linthicum Hg	Maryland	1,796
	Dallas	Texas	24		Oranport	New Jersey	3,970
	Greenville	Texas	7,314		Tinton Falls	New Jersey	3,016
	Fairfax	Virginia	563		Willow Grove	Penn	2,783
	Falls Church	Virginia	2,842		Fairfax	Virginia	49
97	CONTROL DATA CORPORATION		23,786 *		McLean	Virginia	159
	Santa Monica	California	50		Manassas	Virginia	5,448
	Minneapolis	Minnesota	22,114	115	ARINC RESEARCH CORPORATION		16,947 *
	Pittsburgh	Penn	134		San Diego	California	676
	TERRITORY		1,756		Santa Ana	California	29
99	CAZCOR		22,653 *		Annapolis	Maryland	16,142
	Fremont	California	355	117	ORI INC		16,380 *
	Los Angeles	California	275		Rockville	Maryland	6,631
	San Diego	California	14,952		Silver Spring	Maryland	9,337
	Washington	D.C.	820		Warminster	Penn	412
	Edgewood Arsen	Maryland	141	118	TELETYPE INDUSTRIES INC		15,582 *
	Vicksburg	Miss	50		Mobile	Alabama	84
	Dayton	Ohio	2,991		Los Angeles	California	6,093
	Fairborn	Ohio	260		San Diego	California	1,500
	Middletown	Rhode Isld	46		Santa Clara	California	2,470
	Alexandria	Virginia	1,563		Torrance	California	647
	McLean	Virginia	210		Muskegon	Michigan	438
	Vienna	Virginia	990		Garland	Texas	2,158
100	SRS TECHNOLOGIES		22,273 *		Hill Air Force	Utah	1,783
	Huntsville	Alabama	10,042		Alexandria	Virginia	409
	Camarillo	California	1,135	119	PHYSICS INTERNATIONAL COMPANY		15,508 *
	Irvine	California	150		San Leandro	California	12,072
	Newport Beach	California	10,892		Andover	Mass	71
	Vandenberg AFB	California	60		Kirtland AFB	New Mexico	425
101	A A I CORPORATION		21,590 *		Woodbridge	Virginia	2,940
	Baltimore	Maryland	6,081	122	BELL HELICOPTER TEXTRON INC		14,293 *
	Cockeysville	Maryland	15,803		Fort Worth	Texas	14,293
	Towson	Maryland	294	123	UNIVERSAL ENERGY SYSTEMS INC	S	13,927 *
103	SPARTA INC		21,003 *		Columbus	Ohio	124
	Huntsville	Alabama	3,948		Dayton	Ohio	13,302
	Del Mar	California	97		Wright Patterson	Ohio	501
	Edwards AFB	California	2,757				
	Laguna Hills	California	12,537				
	Placentia	California	291				
	San Diego	California	1,043				
	Lexington	Mass	296				
	McLean	Virginia	634				

* More Amount than Cancellations Exceeded New Awards)
S - Single Payments

**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to Business Firms: FY 1987**

Rank	Name of Contractor	Location of Work	Thousands of Dollars	Rank	Name of Contractor	Location of Work	Thousands of Dollars
125	HRB SINGER INC	Lanham Maryland	13,611 *	147	ELECTRONIC WARFARE ASSOCIATES	S Huntsville Alabama	11,075 *
		State College Penn	837			Dayton Ohio	8,120
			12,774			Vienna Virginia	425
126	DEERE JOHN TECHNOLOGIES INTL	Woodbridge New Jersey	13,414 *				2,530
		Wood Ridge New Jersey	11,696	148	ELECTROSPACE SYSTEMS INC	San Diego California	11,011 *
			1,718			Eglin Air Forc Florida	419
129	SCHAFER W J ASSOCIATES INC	S Huntsville Alabama	12,958 *			Greenbelt Maryland	53
		Chelmsford Mass	58			Dayton Ohio	455
		Wakefield Mass	2,026			Fairborn Ohio	1,072
		Arlington Virginia	3,337			Richardson Texas	161
			7,537			Waco Texas	1,374
131	SPACE DATA CORPORATION	S Tempe Arizona	12,799 *			Arlington Virginia	4,065
			12,799				3,412
132	EAGLE TECHNOLOGY INC	S Fullerton California	12,479 *	149	SPACE APPLICATIONS CORPORATION	S Santa Clara California	10,877 *
		Ocean New Jersey	7,051				10,877
		Arlington Virginia	445	150	INTERMETRICS INC	S Huntington Bea California	10,673 *
			4,983			San Diego California	1,798
133	PACER SYSTEMS INC	S June Park Florida	12,441 *			Bethesda Maryland	828
		Billerica Mass	69			Cambridge Mass	2,968
		Billerica Cent Mass	1,602			Oceanport New Jersey	231
		Burlington Mass	227			Warminster Penn	534
		Horsham Penn	310				4,314
		Horseshack Penn	9,725	152	SOFTTECH INC	San Diego California	10,536 *
		Norfolk Virginia	442			Waltham Mass	1,293
			66			Fairborn Ohio	1,503
134	E G G WASH ANALYTICAL SVCS CTR	New London Conn	12,292 *			Houston Texas	2,250
		New London Nav Conn	354			Alexandria Virginia	349
		Rockville Maryland	30				5,141
		Kirtland AFB New Mexico	8,006	153	ITEK CORPORATION	Sunnyvale California	10,423 *
		Dahlgren Virginia	625			Lexington Mass	486
			3,277				9,937
136	SYSTEM PLANNING CORPORATION	Arlington Virginia	11,840 *	154	MC DONNELL DOUGLAS INCO INC	Cheyenne Mtn C Colorado	10,383 *
			11,840			Chesapeake Virginia	4,277
137	M/A COM LINKABIT INC	San Diego California	11,645 *			McLean Virginia	5,221
		Vienna Virginia	7,860				885
			3,785	155	CALIFORNIA MICROWAVE INC	Los Angeles California	10,352 *
138	QUEST RESEARCH CORPORATION	Dayton Ohio	11,642 *			Columbia Maryland	9,707
		McLean Virginia	1,968				645
			9,674	156	AEROJET SOLID PROPULSION CO	Sacramento California	10,317 *
139	SACHS FREEMAN ASSOCIATES INC	S Washington D.C.	11,459 *				10,317
		Bowie Maryland	1,874	157	SONICRAFT INC	S Chicago Illinois	10,272 *
		Kensington Est Maryland	2,856				10,272
		Landover Maryland	90	158	GEO-CENTERS INC	S Washington D.C.	10,074 *
			5,589			Aberdeen Prov Maryland	2,428
140	DYNETICS INC	S Huntsville Alabama	11,366 *			Edgewood Areen Maryland	305
			11,366			Boston Mass	38
142	GA TECHNOLOGIES INC	San Diego California	11,352 *			Marstons Mills Mass	650
			11,352			Natick Mass	514
143	LOCKHEED ELECTRONICS COMPANY	Orlando Florida	11,247 *			Natick Research Mass	64
		Plainfield New Jersey	500			Newton Mass	203
		White Sands Ma New Mexico	1,656			Over New Jersey	3,829
			9,131				2,043
144	FAIRCHILD WESTON SYSTEMS INC	Los Angeles California	11,255 *	159	ATLANTIC RESEARCH CORPORATION	Camden Arkansas	10,066 *
		Palo Alto California	30			White Sands Ma New Mexico	341
		Sarasota Florida	645			Alexandria Virginia	109
		Siesta Key Florida	3,520			Gainesville Virginia	3,902
		Syosset New York	260				5,714
		Archbald Penn	787	160	NORDEN SYSTEMS INC	San Jose California	9,978 *
		Horsham Penn	1,075			Norwalk Conn	400
			2,938			White Sands Ma New Mexico	7,331
						Melville New York	2,000
							247

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Rank	Name of Contractor Location of Work	Thousands of Dollars	Rank	Name of Contractor Location of Work	Thousands of Dollars
162	CHRYSLER CORPORATION Huntsville Alabama	9,957 *	178	VECTOR RESEARCH COMPANY INC Bethesda Maryland	8,709 *
164	AMERICAN SYSTEMS CORPORATION Annandale Virginia	9,869 *	179	FOSTER MILLER INC Waltham Mass	8,699 *
165	ENGINEERING & ECONOMICS RES Huntsville Alabama Belleville Maryland Middletown Rhode Island McLean Virginia Reston Virginia Princeton W Virginia	9,780 * 2,539 915 408 3,618 1,900 400	181	SCIENTIFIC-ATLANTA INC San Diego California Atlanta Georgia Newport News Virginia	8,560 * 81 8,416 65
166	E I CORPORATION Huntsville Alabama Fort Knox Kentucky Oak Ridge Tennessee TERRITORY	9,748 * 1,752 1,357 1,490 5,189	182	PAR TECHNOLOGY CORPORATION New Hartford New York Syracuse New York McLean Virginia	8,524 * 8,284 260 40
167	DYNACORP INC Yuma Proving G Arizona White Sands Ms New Mexico Wright Patters Ohio	9,602 * 3,761 5,461 450	184	VERAC INCORPORATED Anaheim California George AFB California San Diego California Columbia Maryland Albuquerque New Mexico Fairborn Ohio Bergstrom AFB Texas	8,561 * 438 369 3,721 201 2,565 544 543
169	CHAMBERLAIN MANUFACTURING CORP Chicago Heights Illinois Elmhurst Illinois Niles Illinois North Aurora Illinois Waterloo Iowa Cockeysville Maryland New Bedford Mass	9,370 * 5,617 498 453 121 1,113 1,484 57	185	SYSOON CORPORATION Washington D.C. Albuquerque New Mexico Middletown Rhode Island Newport Rhode Island Dahlgren Virginia Naval Surface Virginia	8,313 * 2,070 2,475 136 290 1,852 1,490
170	APPLIED RESEARCH INC Huntsville Alabama Pomona California Arlington Virginia	9,015 * 8,775 170 70	186	REL INCORPORATED Boynton Beach Florida	8,296 * 8,296
171	STANFORD TELECOMMUNICATIONS Santa Clara California Fort Worth Texas McLean Virginia Reston Virginia	9,989 * 9,245 244 27 473	187	TALLEY DEFENSE SYSTEMS INC Mesa Arizona	8,246 * 8,296
173	VECA INCORPORATED Bahia Beach Florida Fort Walton Be Florida Cayton Ohio Arlington Penn Warminster Penn Arlington Virginia	8,911 * 923 407 851 150 594 5,989	188	PERKIN ELMER CORPORATION Garden Grove California Kennedy Meadow California Pomona California Danbury Conn Wilton Conn	8,169 * 58 117 276 5,968 1,750
174	ULTRASYSTEMS INCORPORATED Sierra Vista Arizona El Segundo California Irvine California Sunnyvale California San Antonio Texas	8,848 * 786 210 7,215 557 80	189	I L C INDUSTRIES (DELAWARE) Frederica Delaware Houston Texas	8,140 * 8,048 92
175	TEXTRON INC Warren Michigan Buffalo New York Wheatfield New York	8,770 * 123 8,247 400	190	ALPHATECH INC Burlington Mass	8,123 * 8,123
176	PICKER INTERNATIONAL INC Highland Heights Ohio	8,719 * 8,719	192	CBI NA CON INC Oak Brook Illinois Wayne Penn	7,989 * 1,450 6,539
177	APR SYSTEMS INC Sunnyvale California	8,714 * 8,714	193	PLANNING RESEARCH CORPORATION Huntsville Alabama Bellevue Nebraska Offutt AFB Nebraska Philadelphia Penn McLean Virginia	7,939 * 38 2,508 727 678 3,988
			195	LITTLE ARTHUR D INC Cambridge Mass	7,856 * 7,856
			197	VIRIONICS INC Easton New Jersey Oxnard New Jersey	7,839 * 3,387 4,452

* Many Awards to Contractors Exceed New Awards to Small Business

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Rank	Name of Contractor	Location of Work	Thousands of Dollars	Rank	Name of Contractor	Location of Work	Thousands of Dollars
198	LITTON INDUSTRIES INC		7,698 *	217	CACI INTERNATIONAL INC		6,728 *
	Mountain View	California	889		San Diego	California	650
	San Carlos	California	240		Washington	D.C.	5,001
	San Diego	California	176		Fort Walton Be	Florida	254
	Sunnyvale	California	6,403		Arlington	Virginia	240
					McLean	Virginia	537
199	O A O CORPORATION		7,420 *	218	ENCORE CORPORATION		6,616 *
	El Segundo	California	7,424		Marlborough	Mass	6,415
	San Bernardino	California	56				
200	GENCORP INC		7,509 *	220	RMS TECHNOLOGIES INCORPORATED		6,653 *
	Sacramento	California	7,509		Lexington	Mass	6,525
201	TETRA TECH INC		7,440 *		Trevose	Penn	128
	Pasadena	California	50	221	MARGHARDT COMPANY, THE		6,569 *
	San Bernardino	California	7,430		Los Angeles	California	6,569
202	SIPPICAN INC		7,365 *	223	OCEAN DATA SYSTEMS INC		6,488 *
	Marion	Mass	7,365		Rockville	Maryla	6,488
203	TRACOR INC		7,322 *	226	VARIAN ASSOCIATES INC		6,398 *
	Groton	Conn	90		Marina del Ray	Californi	427
	Rockville	Maryland	126		Palo Alto	Californi	1,437
	Austin	Texas	7,106		San Jose	Californ	75
204	ARRISNET TECHNOLOGIES INC		7,282 *		Santa Clara	Californ	197
	Sacramento	California	7,282		Beverly	Mass	921
205	ELECTRONIC DECISIONS, INC		7,252 *		Dallas	Texas	3,341
	Urbana	Illinois	7,252	227	ADVANCED DECISION SYSTEMS		6,371 *
206	DOULD INC		7,248 *		Mountain View	California	6,371
	El Monte	California	141	228	GLIN CORPORATION		6,342 *
	New London	Conn	143		Stanford	Conn	465
	Rolling Meadows	Illinois	350		East Alton	Illinois	5,887
	Glen Burnie	Maryland	5,830	229	TITAN CORPORATION		6,290 *
	Nutley	New Jersey	117		Los Angeles	California	244
	Cleveland	Ohio	427		San Diego	California	2,052
207	MANTECH INTERNATIONAL CORP		7,007 *		Albuquerque	New Mexico	906
	Sierra Vista	Arizona	1,108		Vienna	Virginia	2,274
	Warrington	Florida	4,153		GERMANY, F		814
	Los Alamitos	New Mexico	271	230	SYSTEMS EXPLOITATION INC		6,281 *
	Alexandria	Virginia	614		San Diego	California	5,364
208	PACIFIC SIERRA RESEARCH CORP		6,940 *		Dayton	Ohio	1,627
	Los Angeles	California	4,722	231	SYNTHETIC SYSTEMS CORP		6,271 *
	Santa Monica	California	520		Falls Church	Virginia	6,271
	White Sands	New Mexico	156	232	CALIFORNIA RES & TECH CORP		6,119 *
	Arlington	Virginia	759		Los Angeles	California	1,121
209	DYNAMICS RESEARCH CORPORATION		6,931 *		Albuquerque	New Mex.	1,121
	San Diego	California	123	234	LOS ALAMOS TECHNICAL ANAL		6,107 *
	Andover	Mass	6,848		Los Alamos	New Mexico	6,107
	Wilmington	Mass	1,760	235	N KOPPEL RESEARCH INC		6,101 *
210	NTS ENGINEERING		6,880 *		Albuquerque	New Mexico	1,124
	Long Beach	California	6,880		Wright Patterson	Ill.	4,956
211	STERIMATICS CORPORATION		6,842 *	236	EXTRON INC		6,144 *
	Bedford	Mass	6,842		State College	Penn	6,144
212	CUMMINS ENGINE COMPANY INC		6,840 *		Alexandria	Virginia	1,420
	Columbus	Indiana	6,840		Arlington	Virginia	1,127
213	OPTIMETRICS INC		6,798 *	238	ANALYSIS & COMPUTER SYSTEMS		6,136 *
	Ann Arbor	Michigan	5,968		Bedford	Mass	6,136
	Fairborn	Ohio	830	239	INTEGRATED SYSTEMS ANALYSIS		6,114 *
215	ASSURANCE TECHNOLOGY CORP		6,718 *		Sierra Vista	California	1,417
	Carlisle	Mass	6,718		San Diego	California	1,394
					Washington	D.C.	1,155
					Arlington	Virginia	1,126

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Rank	Name of Contractor Location of Work	Thousands of Dollars	Rank	Name of Contractor Location of Work	Thousands of Dollars
241	KAMAN AEROSPACE CORPORATION Bloomfield Conn	5,986 * 5,986	268	N K F ENGINEERING ASSOCIATES Arlington Virginia Reston Virginia	S 5,032 * 357 4,635
243	APPLIED TECHNOLOGY ASSOCIATES Mountain View California Orlando Florida Albuquerque New Mexico Kirtland AFB New Mexico Llanoville Penn	S 5,977 * 1,676 200 2,017 1,502 596	272	VER VAL ENTERPRISES INC Fort Walton Be Florida	S 4,944 * 4,944
245	AMERICAN OPTICAL CORPORATION Southbridge Mass	5,933 * 5,933	273	INFORMATION DEV & APPLICATIONS Beltsville Maryland	S 4,927 * 4,927
246	COMPTON RESEARCH INC Camarillo California	5,928 * 5,928	274	AQUIDNECK SYSTEMS INTL Middletown Rhode Isld	S 4,920 * 4,920
248	BDM MANAGEMENT SERVICES CO Albuquerque New Mexico Kirtland AFB New Mexico	5,927 * 1,821 4,106	276	MAR INCORPORATED Rockville Maryland	S 4,911 * 4,911
249	WESTERN RESEARCH CORPORATION San Diego California	S 5,763 * 5,763	277	ADVANCED TECHNOLOGY INC Orlando Florida Reston Virginia	S 4,887 * 1,018 3,869
250	S SYSTEMS CORPORATION Inglewood California Albuquerque New Mexico	S 5,761 * 5,455 306	278	WALLACE T H INC Indian Harbour Florida Melbourne Beac Florida Springfield Virginia	S 4,887 * 4,545 254 88
251	SYSTEMS & APPLIED SCIENCES Lanham Maryland Severna Park Maryland Dayton Ohio Wright Patterns Ohio Vienna Virginia	S 5,654 * 50- 1,730 182 1,600 2,192	279	BERKELEY RESEARCH ASSOCIATES Berkeley California Fairfax Virginia Norfolk Virginia Springfield Virginia	S 4,814 * 1,804 98 364 2,548
255	CONTRAVES GOERZ CORPORATION Pittsburgh Penn	5,535 * 5,535	280	COMARCO INC Sierra Vista Arizona	4,805 * 4,805
257	AUTOMATED SCIENCES GROUP INC Huntsville Alabama Dahlgren Virginia McLean Virginia	S 5,496 * 4,284 126 1,086	281	TRACOR APPLIED SCIENCES INC San Diego California Groton Conn Jacksonville Florida Rockville Maryland Austin Texas	4,796 * 716 50 516 149 3,365
260	KONTECH INC Los Angeles California	S 5,430 * 5,430	282	EXIDE CORPORATION Raleigh N Carolina	4,752 * 4,752
261	WATKINS JOHNSON COMPANY San Jose California	5,357 * 5,357	283	PHYSICAL RESEARCH INC Huntsville Alabama Rolling Hills California Santa Barbara California Torrance California Orlando Florida	S 4,743 * 892 2,770 770 270 41
262	DUNDR SYSTEMS INC Campbell California San Jose California	S 5,332 * 4,857 475	285	P C C TECHNICAL INDUSTRIES INC Oxnard California Bethesda Maryland Silver Spring Maryland Middletown Rhode Isld Dahlgren Virginia	4,667 * 120 62 2,032 42 2,421
263	PLANNING SYSTEMS INC McLean Virginia	S 5,312 * 5,312	286	LEADING SYSTEMS, INC Irvine California	S 4,591 * 4,591
264	DYNAMAC INTERNATIONAL INC Lyndall AFB Florida Rockville Maryland	S 5,286 * 435 4,851	287	THINKING MACHINES CORPORATION Cambridge Mass	S 4,568 * 4,568
265	SEMPER INC Farmingdale New Jersey Mount Laurel New Jersey Wall New Jersey Wapwallopen Penn Warminster Penn	S 5,286 * 630 2,257 378 323 1,698	288	EMERSON ELECTRIC CO Calabasas California St. Louis Missouri	4,559 * 178 4,381
266	AEROMET INC Tulsa Oklahoma TERRITORY	S 5,186 * 1,370 3,816	289	OPT/CALCULON U S CORPORATION Shrewsbury New Jersey Philadelphia Penn	4,474 * 3,179 1,295

Minus Amount of cancellations Exceed New Awards)
S Small Business

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Rank	Name of Contractor	Location of Work	Thousands of Dollars	Rank	Name of Contractor	Location of Work	Thousands of Dollars
140	BEETLE INC.	Santa Clara California	4,491 *	116	DEYSREY RESEARCH ASSOCIATES	ITANOA New York	4,484 *
		Dayton Ohio	4,490				4,484
		McLean Virginia	4,483				
141	TECHNOLOGY AFFILIATIONS	S	4,482 *	117	TECHNOLOGY DEVELOPMENT CORP.	Hamletville Alabama	4,474 *
		Dayton Ohio	4,482 *			Dayton Ohio	4,474
		Falls Church Virginia	4,478			Arlington Texas	4,475
		Chattanooga Virginia	4,477				
142	CONTECH CORP.	S	4,465 *	118	RIEDEL ELECTRONICS INC.	Buffalo New York	4,464 *
		Dayton Ohio	4,465 *				4,464
143	CONTECH CORP. ASSOCIATION	S	4,464 *	119	GENERAL INSTRUMENT CORP. INC.	Westford Mass.	4,464 *
		Dayton Ohio	4,464 *			Westford Mass.	4,464
144	WILLIAMS INTERNATIONAL CORP.	Atlanta Ga.	4,464 *	120	ELLIOTT DEVELOPMENT	Manassas Virginia	4,464 *
		Atlanta Ga.	4,464 *			New York Beach Illinois	4,464
145	ENGINEERING RESEARCH ASSOCIATES	S	4,464 *			Fort Worth Texas	4,464
		McLean Virginia	4,464 *			White Plains New York	4,464
		Virginia	4,464 *				
146	APPLIED EARTH ASSOCIATES	S	4,464 *	121	CONCEPT	Santa Monica California	4,464 *
		Dayton Ohio	4,464 *			San Jose Calif.	4,464
		Dayton Ohio	4,464 *			Dayton Ohio	4,464
		Dayton Ohio	4,464 *			Dayton Ohio	4,464
147	PHONOLITH CORPORATION	S	4,464 *	122	RESEARCH ASSOCIATES	Dayton Ohio	4,464 *
		Dayton Ohio	4,464 *			Dayton Ohio	4,464
148	PHONOLITH CORPORATION	S	4,464 *	123	METROPHYSICS CORP.	Dayton Ohio	4,464 *
		Dayton Ohio	4,464 *			Dayton Ohio	4,464
149	PHONOLITH CORPORATION	S	4,464 *	124	FIRE ENGINEERING & ASSOCIATES	Dayton Ohio	4,464 *
		Dayton Ohio	4,464 *			Dayton Ohio	4,464
150	PHONOLITH CORPORATION	S	4,464 *	125	PHONOLITH CORPORATION	Dayton Ohio	4,464 *
		Dayton Ohio	4,464 *			Dayton Ohio	4,464
151	PHONOLITH CORPORATION	S	4,464 *	126	PHONOLITH CORPORATION	Dayton Ohio	4,464 *
		Dayton Ohio	4,464 *			Dayton Ohio	4,464
152	PHONOLITH CORPORATION	S	4,464 *	127	PHONOLITH CORPORATION	Dayton Ohio	4,464 *
		Dayton Ohio	4,464 *			Dayton Ohio	4,464
153	PHONOLITH CORPORATION	S	4,464 *	128	PHONOLITH CORPORATION	Dayton Ohio	4,464 *
		Dayton Ohio	4,464 *			Dayton Ohio	4,464
154	PHONOLITH CORPORATION	S	4,464 *	129	PHONOLITH CORPORATION	Dayton Ohio	4,464 *
		Dayton Ohio	4,464 *			Dayton Ohio	4,464
155	PHONOLITH CORPORATION	S	4,464 *	130	PHONOLITH CORPORATION	Dayton Ohio	4,464 *
		Dayton Ohio	4,464 *			Dayton Ohio	4,464
156	PHONOLITH CORPORATION	S	4,464 *	131	PHONOLITH CORPORATION	Dayton Ohio	4,464 *
		Dayton Ohio	4,464 *			Dayton Ohio	4,464
157	PHONOLITH CORPORATION	S	4,464 *	132	PHONOLITH CORPORATION	Dayton Ohio	4,464 *
		Dayton Ohio	4,464 *			Dayton Ohio	4,464
158	PHONOLITH CORPORATION	S	4,464 *	133	PHONOLITH CORPORATION	Dayton Ohio	4,464 *
		Dayton Ohio	4,464 *			Dayton Ohio	4,464
159	PHONOLITH CORPORATION	S	4,464 *	134	PHONOLITH CORPORATION	Dayton Ohio	4,464 *
		Dayton Ohio	4,464 *			Dayton Ohio	4,464
160	PHONOLITH CORPORATION	S	4,464 *	135	PHONOLITH CORPORATION	Dayton Ohio	4,464 *
		Dayton Ohio	4,464 *			Dayton Ohio	4,464
161	PHONOLITH CORPORATION	S	4,464 *	136	PHONOLITH CORPORATION	Dayton Ohio	4,464 *
		Dayton Ohio	4,464 *			Dayton Ohio	4,464
162	PHONOLITH CORPORATION	S	4,464 *	137	PHONOLITH CORPORATION	Dayton Ohio	4,464 *
		Dayton Ohio	4,464 *			Dayton Ohio	4,464
163	PHONOLITH CORPORATION	S	4,464 *	138	PHONOLITH CORPORATION	Dayton Ohio	4,464 *
		Dayton Ohio	4,464 *			Dayton Ohio	4,464
164	PHONOLITH CORPORATION	S	4,464 *	139	PHONOLITH CORPORATION	Dayton Ohio	4,464 *
		Dayton Ohio	4,464 *			Dayton Ohio	4,464
165	PHONOLITH CORPORATION	S	4,464 *	140	PHONOLITH CORPORATION	Dayton Ohio	4,464 *
		Dayton Ohio	4,464 *			Dayton Ohio	4,464
166	PHONOLITH CORPORATION	S	4,464 *	141	PHONOLITH CORPORATION	Dayton Ohio	4,464 *
		Dayton Ohio	4,464 *			Dayton Ohio	4,464
167	PHONOLITH CORPORATION	S	4,464				

**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to Business Firms: FY 1987**

Rank	Name of Contractor Location of Work	Thousands of Dollars	Rank	Name of Contractor Location of Work	Thousands of Dollars
33	DATA ANALYSIS DIV. Birmingham Ala.	\$ 1,000 *	475	TELETYPE FACILITY Baltimore Md.	2,000 *
34	TELETYPE FACILITY Baltimore Md.	1,000 *	476	BARBARA S. VETTER Bloomington Calif.	2,000 *
35	TELETYPE FACILITY Baltimore Md.	1,000 *	477	TELETYPE FACILITY Baltimore Md.	2,000 *
36	TELETYPE FACILITY Baltimore Md.	1,000 *	478	TELETYPE FACILITY Baltimore Md.	2,000 *
37	TELETYPE FACILITY Baltimore Md.	1,000 *	479	TELETYPE FACILITY Baltimore Md.	2,000 *
38	TELETYPE FACILITY Baltimore Md.	1,000 *	480	TELETYPE FACILITY Baltimore Md.	2,000 *
39	TELETYPE FACILITY Baltimore Md.	1,000 *	481	TELETYPE FACILITY Baltimore Md.	2,000 *
40	TELETYPE FACILITY Baltimore Md.	1,000 *	482	TELETYPE FACILITY Baltimore Md.	2,000 *
41	TELETYPE FACILITY Baltimore Md.	1,000 *	483	TELETYPE FACILITY Baltimore Md.	2,000 *
42	TELETYPE FACILITY Baltimore Md.	1,000 *	484	TELETYPE FACILITY Baltimore Md.	2,000 *
43	TELETYPE FACILITY Baltimore Md.	1,000 *	485	TELETYPE FACILITY Baltimore Md.	2,000 *
44	TELETYPE FACILITY Baltimore Md.	1,000 *	486	TELETYPE FACILITY Baltimore Md.	2,000 *
45	TELETYPE FACILITY Baltimore Md.	1,000 *	487	TELETYPE FACILITY Baltimore Md.	2,000 *
46	TELETYPE FACILITY Baltimore Md.	1,000 *	488	TELETYPE FACILITY Baltimore Md.	2,000 *
47	TELETYPE FACILITY Baltimore Md.	1,000 *	489	TELETYPE FACILITY Baltimore Md.	2,000 *
48	TELETYPE FACILITY Baltimore Md.	1,000 *	490	TELETYPE FACILITY Baltimore Md.	2,000 *
49	TELETYPE FACILITY Baltimore Md.	1,000 *	491	TELETYPE FACILITY Baltimore Md.	2,000 *
50	TELETYPE FACILITY Baltimore Md.	1,000 *	492	TELETYPE FACILITY Baltimore Md.	2,000 *
51	TELETYPE FACILITY Baltimore Md.	1,000 *	493	TELETYPE FACILITY Baltimore Md.	2,000 *
52	TELETYPE FACILITY Baltimore Md.	1,000 *	494	TELETYPE FACILITY Baltimore Md.	2,000 *
53	TELETYPE FACILITY Baltimore Md.	1,000 *	495	TELETYPE FACILITY Baltimore Md.	2,000 *
54	TELETYPE FACILITY Baltimore Md.	1,000 *	496	TELETYPE FACILITY Baltimore Md.	2,000 *
55	TELETYPE FACILITY Baltimore Md.	1,000 *	497	TELETYPE FACILITY Baltimore Md.	2,000 *
56	TELETYPE FACILITY Baltimore Md.	1,000 *	498	TELETYPE FACILITY Baltimore Md.	2,000 *
57	TELETYPE FACILITY Baltimore Md.	1,000 *	499	TELETYPE FACILITY Baltimore Md.	2,000 *
58	TELETYPE FACILITY Baltimore Md.	1,000 *	500	TELETYPE FACILITY Baltimore Md.	2,000 *

**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to Business Firms: FY 1987**

Rank	Name of Contractor Location of Work	Thousands of Dollars	Rank	Name of Contractor Location of Work	Thousands of Dollars
414	SCIENTIFIC ELECTRONICS Farmingdale, New York	2,441 *	417	NORTHERN POWER SYSTEMS INC Montpelier, Vermont	2,441 *
415	STAFF MATHEMATICS INC Baltimore, Maryland	2,441 *	418	B K DYNAMICS INC San Diego, California Rockville, Maryland	2,441 *
416	STANLEY ELECTRONICS New York, New York New York, New York New York, New York	2,441 *	419	ENERGY/ENVIRONMENTAL RES GROUP Melbourne, Florida	2,441 *
417	STAFF LABORATORY New York, New York	2,441 *	420	SEACO INC Kailua, Hawaii	2,444 *
418	STANLEY ELECTRONICS Baltimore, Maryland	2,441 *	421	PACIFIC TECHNOLOGY Del Mar, California San Diego, California	2,441 *
419	STANLEY ELECTRONICS Baltimore, Maryland	2,441 *	422	CAS INC Huntsville, Alabama	2,441 *
420	STANLEY ELECTRONICS Baltimore, Maryland	2,441 *	423	LOGISTICS MANAGEMENT ENGRG China Lake NWC, California Annapolis, Maryland	2,441 *
421	STANLEY ELECTRONICS Baltimore, Maryland	2,441 *	424	ADAPTIVE OPTICS ASSOCIATES INC Cambridge, Mass	2,441 *
422	STANLEY ELECTRONICS Baltimore, Maryland	2,441 *	425	ASTEN INC Colorado Springs, Colorado	2,441 *
423	STANLEY ELECTRONICS Baltimore, Maryland	2,441 *	426	DONALDSON COMPANY INC Minneapolis, Minnesota	2,441 *
424	STANLEY ELECTRONICS Baltimore, Maryland	2,441 *	427	ASTEN INC Philadelphia, Mass New York, New York Dallas, Texas Falls Church, Virginia	2,441 *
425	STANLEY ELECTRONICS Baltimore, Maryland	2,441 *	428	ASTEN RESEARCH & ENGINEERING Mountain View, California Santa Monica, California Sunnyvale, California	2,441 *
426	STANLEY ELECTRONICS Baltimore, Maryland	2,441 *	429	GERMET INC Baltimore, Maryland Baltimore, Maryland	2,441 *
427	STANLEY ELECTRONICS Baltimore, Maryland	2,441 *	430	HUGHES ASSOCIATES INC Kensington, Maryland Wheaton, Maryland	2,441 *
428	STANLEY ELECTRONICS Baltimore, Maryland	2,441 *	431	FATEL ENTERPRISES INCORPORATED Huntsville, Alabama	2,441 *
429	STANLEY ELECTRONICS Baltimore, Maryland	2,441 *	432	DIGITAL SIGNAL CORPORATION Springfield, Virginia	2,441 *
430	STANLEY ELECTRONICS Baltimore, Maryland	2,441 *	433	SYSTEMS PLANNING & ANALYSIS Arlington, Virginia Falls Church, Virginia	2,441 *
431	STANLEY ELECTRONICS Baltimore, Maryland	2,441 *	434	AFI LIFT INC Tillamook, Oregon	2,441 *
432	STANLEY ELECTRONICS Baltimore, Maryland	2,441 *	435	RESEARCH ANALYSIS AND MAINT El Paso, Texas	2,441 *
433	STANLEY ELECTRONICS Baltimore, Maryland	2,441 *	436	KETRON INC Towson, Maryland Malvern, Penn Watkinsville, Penn Wayne, Penn Arlington, Virginia	2,441 *
434	STANLEY ELECTRONICS Baltimore, Maryland	2,441 *			
435	STANLEY ELECTRONICS Baltimore, Maryland	2,441 *			
436	STANLEY ELECTRONICS Baltimore, Maryland	2,441 *			
437	STANLEY ELECTRONICS Baltimore, Maryland	2,441 *			
438	STANLEY ELECTRONICS Baltimore, Maryland	2,441 *			
439	STANLEY ELECTRONICS Baltimore, Maryland	2,441 *			
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472	STANLEY ELECTRONICS Baltimore, Maryland	2,441 *			
473	STANLEY ELECTRONICS Baltimore, Maryland	2,441 *			
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486	STANLEY ELECTRONICS Baltimore, Maryland	2,441 *			
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497	STANLEY ELECTRONICS Baltimore, Maryland	2,441 *			
498	STANLEY ELECTRONICS Baltimore, Maryland	2,441 *			
499	STANLEY ELECTRONICS Baltimore, Maryland	2,441 *			
500	STANLEY ELECTRONICS Baltimore, Maryland	2,441 *			

* Minor Amount (Cancellation Except New Awards)
S Small Business

**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to Business Firms: FY 1987**

Rank	Name of Contractor Location of Work	Thousands of Dollars	Rank	Name of Contractor Location of Work	Thousands of Dollars
440	HORIZONS TECHNOLOGY INC San Diego California Lexington Mass	S 2,082 * 2,114 32-	465	METRIC SYSTEMS CORPORATION Fort Walton Be Florida	1,916 * 1,916
442	UTD INC Alexandria Virginia	S 2,074 * 2,074	466	T R W ELECTRONIC PRODUCTS INC Redondo Beach California Colorado Sprin Colorado	1,915 * 1,950 1,555
443	G T E LABORATORIES INC Waltham Mass	2,068 * 2,068	467	TRIDENT DATA SYSTEMS INC Ladera Heights California	S 1,912 * 1,912
444	DECISION-SCIENCE APPLICATIONS Arlington Virginia	S 2,056 * 2,056	468	I R T CORPORATION San Diego California Vienna Virginia	S 1,907 * 1,739 168
445	FREQUENCY ELECTRONICS INC Farmingdale New York Garden City New York Mitchellville New York	S 2,033 * 125 216 1,692	469	LORAL HYCOR INC Urburn Mass	1,907 * 1,907
446	ITE INC Beltsville Maryland	S 2,020 * 2,020	470	WESTERN INSTRUMENT CORPORATION Ventura California	S 1,880 * 1,880
447	ROBBINS COMPANY, THE Kent Washington	S 2,019 * 2,019	471	DAVID HARNOFF RESEARCH LABS Princeton New Jersey	1,875 * 1,875
448	ALUMINUM COMPANY OF AMERICA San Diego California Alcoa Center Penn	2,012 * 1,113 699	472	MECHANICAL TECHNOLOGY INC Latham New York	1,870 * 1,870
449	I A P RESEARCH INC Dayton Ohio	S 2,008 * 2,008	473	ADVANCED RES & APPLICATIONS Sunnyvale California	S 1,869 * 1,869
450	POLARIS, INC Arlington Virginia	S 2,001 * 2,001	475	SONALYSTS INC San Diego California Waterford Conn Naval Underwat Rhode Isld Virginia Beach Virginia	S 1,809 * 63 1,491 149 106
451	BAXTER HEALTHCARE CORPORATION Deerfield Illinois	2,000 * 2,000	478	KTECH CORPORATION Albuquerque New Mexico	S 1,791 * 1,791
452	TRANS ATLANTIC FAAD White Sands Ms New Mexico	2,000 * 2,000	479	NEW TECHNOLOGY INC Huntsville Alabama	S 1,774 * 1,774
453	COMBUSTION ENGINEERING INC Sierra Vista Arizona Surreyville Mass	1,998 * 1,910 88	480	LOF INCORPORATED Washington D.C. Ruston Louisiana	1,768 * 1,538 130
454	SCIENTIFIC RESEARCH ASSOC Hastingsbury Conn	S 1,998 * 1,998	481	EAGLE-PICHER INDUSTRIES INC El Segundo California Colorado Sprin Colorado Lenexa Kansas Joplin Missouri Miami Oklahoma	1,765 * 300 100 323 964 78
455	TETH BEPS INCORPORATED Albuquerque New Mexico	S 1,997 * 1,997	482	J R S RESEARCH LABORATORIES, Orange California	S 1,765 * 1,765
456	TRIANGO HELICOPTER AIRWAYS Sawford Florida	S 1,992 * 1,992	483	DELTA RESEARCH INC Huntsville Alabama	S 1,763 * 1,763
458	VISIDYNE INC Burlington Mass	S 1,966 * 1,966	484	ALLEN CORPORATION OF AMERICA San Diego California Alexandria Virginia Arlington Virginia	S 1,759 * 143 1,516 100
459	CLS LASER SYSTEMS INC South Windsor Conn Windsor Conn	1,957 * 1,150 807	485	ROHM AND HAAS COMPANY Philadelphia Penn Spring House Penn	1,745 * 1,453 402
460	SYSTEMS & LOGISTICS CORP San Bernardino California	S 1,952 * 1,952	486	HUGHES APTT & TEXAS INSTR IV El Segundo California	1,744 * 1,744
461	DOW CHEMICAL COMPANY, THE Walnut Creek California Midland Michigan	1,950 * 353 1,597			
464	ANALYTIC DECISION INC Wright Patterson Ohio Arlington Virginia	1,933 * 1,500 433			

- : Minus Amount (Cancellations Exceed New Awards)
S : Small Business

**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to Business Firms: FY 1987**

Rank	Name of Contractor Location of Work	Thousands of Dollars	Rank	Name of Contractor Location of Work	Thousands of Dollars
487	EPOCH ENGINEERING INC Gaithersburg Maryland Rockville Maryland ANTARCTICA	S 1,737 * 1,556 140 41			
489	I M R SYSTEMS CORPORATION Fort Leavenworth Kansas Oceanport New Jersey	S 1,725 * 1,558 167			
490	TELEDYNE ENERGY SYSTEMS Lutherville-Ti Maryland	1,723 * 1,723			
491	GENERAL APPLIED SCIENCE Bronxville New York	S 1,711 * 1,711			
495	TEXAS RESEARCH INSTITUTE INC Austin Texas	S 1,700 * 1,700			
498	MASSACHUSETTS COMPUTER ASSOC Wakefield Mass	1,689 * 1,689			
499	ANTHROPOLOGY RESEARCH PROJECT Yellow Springs Ohio	S 1,670 * 1,670			
500	OMNI ANALYSIS INC San Diego California	S 1,669 * 1,669			
		18,411,153			

- Minus Amount (Cancellations Exceed New Awards)
S - Small Business

**Table 3. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to Educational and Nonprofit Institutions: FY 1987**

Rank	Name of Contractor Location of Work	Thousands of Dollars	Rank	Name of Contractor Location of Work	Thousands of Dollars
11	MASSACHUSETTS INST OF TECHNOLOGY Columbia Maryland Cambridge Mass Lexington Mass	407,640 * 66 32,629 374,945		BATTELLE MEMORIAL INSTITUTE New Haven Conn Simsbury Conn Storrs Conn	51 34 25
15	JOHNS HOPKINS UNIVERSITY Baltimore Maryland Laurel Maryland	354,925 * 4,991 349,934		Washington D.C. Maitland Florida Orlando Florida Sebastian Florida Shalimar Florida Tallahassee Florida Winter Park Florida Champaign Illinois Chicago Illinois Edwardsville Illinois Park Forest Illinois Urbana Illinois	122 27 28 30 26 27 25 150 41 59 51 143
16	MITRE CORPORATION THE Bedford Mass McLean Virginia	347,539 * 344,829 2,710		Granger Indiana West Lafayette Indiana Aberdeen Maryland Aberdeen Prov Maryland Annapolis Maryland Bethesda Maryland Frederick Maryland Gaithersburg Maryland Rockville Maryland Amherst Mass Andover Mass Boston Mass Cambridge Mass Everett Mass	35 51 215 4,385 44 88 62 29 209 115 35 54 47 41
18	AEROSPACE CORPORATION THE El Segundo California	339,926 * 338,926		Wellesley Mass Weston Mass Worcester Mass Ann Arbor Michigan Grosse Pointe Michigan Eden Prairie Minnesota Minneapolis Minnesota St. Paul Minnesota Nashua N.H. Berkeley Heights New Jersey Norwood New Jersey Piscataway New Jersey Princeton New Jersey Shrewsbury New Jersey Tenafly New Jersey Española New Mexico Las Cruces New Mexico New York New York Fort Jefferson New York Syracuse New York Durham N Carolina Research Trian N Carolina	59 51 143 115 41 44 88 62 29 209 115 35 54 47 41 115 30 30 32 23 40 13 46 40 25 38 63 160 42 37 29 31 41 37 41 46 40
26	DRAPER CHARLES STARK LAB INC Hawthorne California Cambridge Mass	164,672 * 317 164,989		Columbus Ohio Marysville Ohio Milford Ohio Toledo Ohio Oklahoma City Oklahoma Tulsa Oklahoma Eugene Oregon Bethlehem Penn King of Prussia Penn Morgantown Penn State College Penn College Station Texas Dallas Texas Dulbrook Texas San Antonio Texas Park City Utah Salt Lake City Utah Burlington Vermont Alexandria Virginia Arlington Virginia Charlottesville Virginia Falls Church Virginia	215 4,385 44 88 62 29 209 115 35 54 47 41 115 30 30 32 23 40 13 46 40 25 38 63 160 42 37 29 31 41 37 41 46 40 23,931 42 40 25 58 39 35 54 50 36 34 27 44 95 30 44 84 28 82 76 46 74 89
47	SRI INTERNATIONAL Menlo Park California	67,699 * 67,699			
49	I I T RESEARCH INSTITUTE Chicago Illinois Chicago Ridge Illinois Lanham Maryland Nutley New Jersey Rome New York	65,651 * 62,798 338 2,415 45 55			
51	INSTITUTE FOR DEF ANALYSES Alexandria Virginia	57,372 * 57,372			
64	SAND CORPORATION Los Angeles California Santa Monica California	43,425 * 23,199 23,227			
66	CARNegie-MELLON UNIVERSITY Barian Junction Penn Koppel Penn Pittsburgh Penn	41,516 * 36 50 41,430			
69	UNIVERSITY OF TEXAS SYSTEM Arlington Texas Austin Texas Dallas Texas El Paso Texas Galveston Texas Houston Texas Richardson Texas San Antonio Texas	33,043 * 10 34,955 100 273 532 138 2,151 540			
70	PENNSYLVANIA STATE UNIV Hershey Penn Penn State Col Penn State College Penn	34,934 * 88 265 48,540			
73	STANFORD LELAND JUNIOR UNIV Los Angeles California Stanford California Stanford Unive California	37,021 * 3,984 23,472 9,565			
75	BATTELLE MEMORIAL INSTITUTE Huntsville Alabama Tucson Arizona Irvine California Los Angeles California Menlo Park California Placentia California San Diego California San Jose California Santa Clara California Santa Monica California Fort Collins Colorado Monroe Conn	34,674 * 305 43 44 158 40 29 75 25 46 30 101 30			

* Minus Amount (Cancellations Exceed New Awards)
S = Small Business

**Table 3. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to Educational and Nonprofit Institutions: FY 1987**

Rank	Name of Contractor Location of Work	Thousands of Dollars	Rank	Name of Contractor Location of Work	Thousands of Dollars
	BATTELLE MEMORIAL INSTITUTE		124	UNIVERSITY OF MARYLAND	13,650 *
	Leesburg Virginia	63		Denver Colorado	32
	McLean Virginia	133		Baltimore Maryland	1,943
	Norfolk Virginia	28		College Park Maryland	11,225
	Reston Virginia	70		Fort Meade Maryland	188
	Springfield Virginia	52		CHILE	264
	Richland Washington	422	127	WOODS HOLE OCEANOGRAPHIC INSTN	11,735 *
	Seattle Washington	35		Woods Hole Mass	13,239
79	GEORGIA INSTITUTE TECHNOLOGY	33,293 *	128	NEW MEXICO STATE UNIVERSITY	13,229 *
	Downey California	55		Las Cruces New Mexico	2,918
	Athens Georgia	100		White Sands Ms New Mexico	10,311
	Atlanta Georgia	33,093	135	SOUTHWEST RESEARCH INSTITUTE	11,981 *
	Salt Lake City Utah	45		China Lake NMC California	53
80	UNIVERSITY OF CALIFORNIA	33,085 *		San Antonio Texas	11,588
	Berkeley California	10,338		San Antonio Al Texas	115
	Davis California	585		San Diego Texas	125
	Irvine California	4,488	141	UNIVERSITY OF NEW MEXICO	11,365 *
	Los Altos California	128		Albuquerque New Mexico	2,813
	Los Angeles California	7,328		Kirtland AFB New Mexico	2,417
	Placentia California	187		White Sands Ms New Mexico	119
	Riverside California	175	145	CORNELL UNIVERSITY	11,196 *
	Sage Hen California	68		Ithaca New York	4,362
	San Diego California	543		Ithaca College New York	53
	San Francisco California	433		New York New York	1,181
	Santa Barbara California	7,847	151	NATIONAL ACADEMY OF SCIENCES	10,560 *
	Santa Cruz California	765		San Diego California	80
82	UNIVERSITY OF SOUTHERN CALIF	32,813 *		Washington D.C.	10,480
	Los Angeles California	32,476	153	UNIVERSITY OF MASSACHUSETTS	9,935 *
	Marina del Rey California	257		Amherst Mass	8,180
	San Diego California	80		Amherst Center Mass	365
95	ANALYTIC SERVICES INC	22,745 *		Worcester Mass	1,390
	Arlington Virginia	22,745	158	HUSON INSTITUTE INC	9,469 *
102	UNIVERSITY OF CAL SAN DIEGO	21,316 *		Indianapolis Indiana	6,081
	Placentia California	14,340		Alexandria Virginia	3,368
	San Diego California	6,703	172	RESEARCH TRIANGLE INSTITUTE	8,956 *
	San Jose California	275		Cocoa Beach Florida	523
105	RIVERSIDE RESEARCH INSTITUTE	20,319 *		Melbourne Florida	295
	Bedford Mass	1,365		Research Trian N Carolina	8,038
	New York New York	18,954		Triangle N Carolina	100
107	UNIVERSITY OF WASHINGTON	19,626 *	180	PURDUE UNIVERSITY	8,629 *
	St. Louis Missouri	2,029		Lafayette Indiana	4,092
	Seattle Washington	17,597		Purdue Univer Indiana	663
110	UNIVERSITY OF DAYTON	18,983 *		West Lafayette Indiana	3,873
	Williams AFB Arizona	1,856	183	OHIO STATE UNIVERSITY	9,383 *
	Edwards AFB California	1,668		Atlanta Georgia	5,235
	Dayton Ohio	10,149		Columbus Ohio	3,004
	Wright Patterson Ohio	5,310		Urbancrest Ohio	144
115	UNIVERSITY OF ILLINOIS	18,017 *	191	YALE UNIVERSITY	8,051 *
	Caldwell Illinois	55		New Haven Conn	8,551
	Champaign Illinois	4,223	194	COLUMBIA UNIVERSITY	7,907 *
	Chicago Illinois	3,784		Sharon Mass	69
	Savoy Illinois	65		New York New York	7,039
	Urbana Illinois	9,889		Palisades New York	739
120	UTAH STATE UNIVERSITY	14,836 *	196	UNIVERSITY OF FLORIDA	7,854 *
	Bedford Mass	4,216		Gainesville Florida	5,412
	Logan Utah	10,620		Orlando Florida	2,442
121	LOGISTICS MANAGEMENT INST	14,415 *			
	Bethesda Maryland	14,415			

* = Minus Amount (Cancellations Exceed New Awards)

S = Small Business

Table 3. Net Value of DOD Prime Contract Awards Over \$25,000 for RDT&E to Educational and Nonprofit Institutions: FY 1987

Rank	Name of Contractor Location of Work	Thousands of Dollars	Rank	Name of Contractor Location of Work	Thousands of Dollars
214	LAURENCE LIVERMORE LABORATORY Berkeley California Oakland California	5,764 * 5,672 92	275	NORTH CAROLINA STATE UNIV Jubilee N Carolina Raleigh N Carolina	4,919 * 35 4,917
215	UNIVERSITY OF MICHIGAN Washington D.C. Ann Arbor Michigan	5,731 * 40 5,691	284	SYRACUSE RESEARCH CORP Syracuse New York	4,701 * 4,701
216	CALIFORNIA INST OF TECHNOLOGY Pasadena California	5,660 * 5,660	292	UNIVERSITY OF WISCONSIN SYSTEM Kewasha Wisconsin Madison Wisconsin Milwaukee Wisconsin	4,416 * 47 4,182 194
220	SALK INST FOR BIOLOGICAL STUDIES San Diego California Sanitwater Penn	5,512 * 791 5,701	294	UNIVERSITY OF COLORADO Boulder Colorado Colorado Sprin Colorado Denver Colorado	4,282 * 3,722 105 455
224	ENVIRONMENTAL RESEARCH INSTITUTE Ann Arbor Michigan	5,448 * 5,448	295	RENSSELAER POLYTECHNIC INST Rensselaer New York Troy New York	4,254 * 95 4,154
225	UNIVERSITY OF ARIZONA Tempe Arizona Tucson Arizona	5,447 * 502 5,447	296	NEW MEXICO INST OF MIN TECHNOLOGY Socorro New Mexico	4,242 * 4,242
232	UNIVERSITY OF UTAH Salt Lake City Utah	5,259 * 5,259	300	SYRACUSE UNIVERSITY Syracuse New York	4,172 * 4,172
237	UNIVERSITY OF CHESTER New York Beach California Chester New York	5,198 * 144 5,543	305	SOUTHEASTERN CIR CIRCO ENG ED Casa Blanco Florida Miramar Beach Florida Saint Cloud Florida Bedford Mass Kirtland AFB New Mexico Buffalo New York San Antonio Texas	4,106 * 412 444 2,117 75 105 105 45
240	UNIVERSITY OF PENNSYLVANIA Philadelphia Penn	5,045 * 5,045	311	AMERICAN SOC FOR ENGRG EDUCTION Washington D.C.	3,984 * 3,984
244	UNIVERSITY OF ALABAMA Birmingham Alabama Huntsville Alabama Tuscaloosa Alabama Tuskegee Alabama	5,009 * 1,547 2,938 1,276 59	321	BOSTON UNIVERSITY Bedford Mass Boston Mass	3,884 * 1,117 2,367
247	HARVARD COLLEGE Boston Mass Cambridge Mass	5,009 * 1,019 4,819	323	BROWN UNIV PRV ST PL PLAN Providence Rhode Island	3,830 * 3,830
250	SOUTHERN RESEARCH INSTITUTE Birmingham Alabama	5,000 * 5,000	325	NEW YORK UNIVERSITY Beacon New York New York New York	3,815 * 89 3,441
254	PRINCETON UNIVERSITY Princeton New Jersey	5,000 * 5,000	328	CASE WESTERN RESERVE UNIV Cleveland Ohio	3,475 * 3,475
255	TEXAS A & M UNIVERSITY SYSTEM Vicksburg Miss Arlington Texas College Station Texas San Antonio Texas Tulker Texas	5,000 * 43 600 4,032 205 25	341	POLYTECHNIC UNIV OF NEW YORK Farminctale New York New York New York	3,302 * 1,015 2,287
258	ALBORN UNIVERSITY Albion Alabama	5,000 * 5,000	345	VANDERBILT UNIVERSITY THE Nashville Tennessee	3,238 * 3,238
259	OREGON STATE UNIVERSITY Corvallis Oregon Eugene Oregon	5,000 * 5,165 277	352	UNIVERSITY OF NORTH CAROLINA Chapel Hill N Carolina	3,162 * 3,162
270	VIRGINIA POLYTECHNIC INST/ST UNI Blacksburg Virginia Blacksburg Virginia	4,999 * 4,698 101	354	UNIVERSITY OF PITTSBURGH Bantian Junction Penn Pittsburgh Penn Riverdale S Carolina	3,097 * 763 2,668 60
271	STATE UNIVERSITY OF NEW YORK Albany New York Alfred Station New York Buffalo New York Old Westbury New York State Brook New York	4,994 * 3,021 95 1,083 140 765	359	UNIVERSITY OF TENNESSEE Knoxville Tennessee Memphis Tennessee Nashville Tennessee	3,040 * 1,054 545 778

* Means Amount of Awardations Excludes New Awards.
S = Small Business

**Table 3. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to Educational and Nonprofit Institutions: FY 1987**

Rank	Name of Contractor Location of Work	Thousands of Dollars	Rank	Name of Contractor Location of Work	Thousands of Dollars
362	COLORADO STATE UNIVERSITY Fort Collins Colorado	2,941 *	494	NATIVE AMERICAN SERVICE ASSN Huntsville Alabama	1,700 *
363	UNIVERSITY OF IOWA THE Iowa City Iowa	2,923 *	495	UNIVERSITY OF OREGON Corvallis Oregon Eugene Oregon	1,700 * 875 625
369	OKLAHOMA STATE UNIV AP SC Edlin Air Force Oklahoma Stillwater Oklahoma	2,748 *	497	VENTNORTH INST OF TECHNOLOGY Boston Mass	1,649 *
377	CALIFORNIA STATE UNIVERSITY Fullerton California Hayward California Long Beach California Sacramento California	2,707 * 84 49 2,535 59			1,639
377	NORTHEASTERN UNIVERSITY CORP Boston Mass	2,674 *			2,572,159
384	LOUISIANA STATE UNIVERSITY Baton Rouge Louisiana New Orleans Louisiana	2,564 * 1,095 1,469			
385	UNIVERSITY OF MINNESOTA Duluth Minnesota Moundville Minnesota St Paul Minnesota	2,557 * 347 430 1,680			
389	MAUI FOUNDATION Honolulu Hawaii	2,528 *			
397	UNIVERSITY OF VIRGINIA Charlottesville Virginia	2,375 *			
400	DYKE UNIVERSITY Apex N Carolina Durham N Carolina	2,305 * 105 2,201			
403	UNIVERSITY OF DELAWARE INT Newark Delaware	2,297 *			
405	NORTHEASTERN UNIVERSITY Boston Mass	2,261 *			
425	UNIVERSITY OF CONNECTICUT Farmington Conn Storrs Conn	2,154 * 107 2,047			
441	LAMAR UNIVERSITY Columbia Missouri	2,075 *			
442	MICHIGAN TECHNOLOGICAL UNIV Houghton Michigan	1,999 *			
444	ROSE WILLIAM MARSH UNIVERSITY Houston Texas	1,930 *			
474	UNIVERSITY OF BRIDGEMAN Kingston Rhode Island	1,894 *			
476	SAN DIEGO STATE UNIV FOUNDATION San Diego California	1,745 *			
477	UNIVERSITY OF NEW ENGLAND Kirtland AFB New Mexico	1,744 *			
488	ARIZONA STATE UNIVERSITY Tempe Arizona	1,705 *			
490	ANTHONY INSTITUTION Lynchburg Va Portland Maine	1,709 * 329 1,380			

Major Awarding Institutions Excluded from Awarded
Total: \$1,000,000

**Table 4. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to Foreign Contractors: FY 1987**

Rank	Name of Contractor Location of Work	Thousands of Dollars	Rank	Name of Contractor Location of Work	Thousands of Dollars
92	CANADIAN COMMERCIAL CORPORATION Washington CANADA	25,961 *			
108	MESSERSCHMITT BUELOW BLOHM GERMANY, F	24,601 *			
130	ROYAL NORWEGIAN NAVAL MATERIAL NORWAY	22,814 *			
145	MINISTRY OF DEFENSE UK UNITED KING	21,001 *			
242	MARTIN BAKER AIRCRAFT LTD UNITED KING	5,484 *			
253	SCOTT & BOWEN LTD Atlanta UNITED KING	4,697 *			
269	DEFENSE MINISTRY OF DEFENSE ISRAEL	4,211 *			
303	UNITED KINGDOM MINISTRY OF DEFENSE UNITED KING	4,111 *			
304	DEFENSE MINISTRY OF DEFENSE ISRAEL	4,061 *			
313	BAE SYSTEMS LTD UNITED KING	3,811 *			
363	UNITED KINGDOM AIRCRAFT UNITED KING	2,414 *			
375	DEFENSE MINISTRY OF DEFENSE ISRAEL	2,311 *			
391	DEFENSE MINISTRY OF DEFENSE ISRAEL	2,211 *			
392	DEFENSE MINISTRY OF DEFENSE ISRAEL	2,111 *			
432	DEFENSE MINISTRY OF DEFENSE ISRAEL	2,011 *			
437	DEFENSE MINISTRY OF DEFENSE ISRAEL	1,911 *			
493	DEFENSE MINISTRY OF DEFENSE ISRAEL	1,811 *			

Source: Defense Research and Development Administration
FY 1987

**Table 5. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to U.S. Government Agencies: FY 1987**

Rank	Name of Contractor Location of Work	Thousands of Dollars	Rank	Name of Contractor Location of Work	Thousands of Dollars
161	U. S. DEPARTMENT OF COMMERCE Boulder Colorado Washington D.C. Gaithersburg Maryland Rockville Maryland Seattle Washington	9,964 * 1,040 7,347 1,050 81 286			
267	UNITED STATES DEPT. ENERGY Livermore California Oakland California San Francisco California Washington D.C. Idaho Falls Idaho Argonne Illinois Syracuse New York Upton New York Bartlesville Oklahoma Oak Ridge Tennessee	6,147 * 140 177 140 177 200 1,519 140 144 1,850 1,044			
457	NATIONAL SCIENCE FOUNDATION Washington D.C.	1,447 * 1,997			
		17,108			

Major Amounts for Research and Development Awards
Data: Parsons

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